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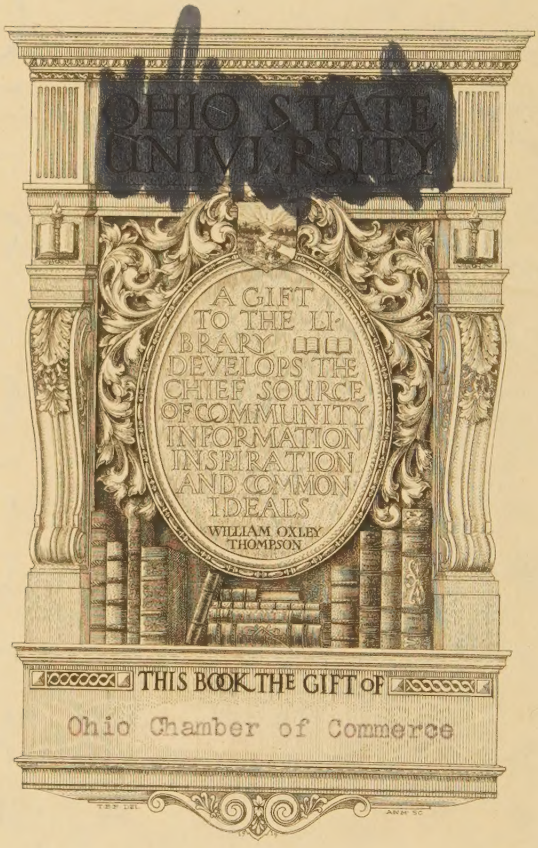

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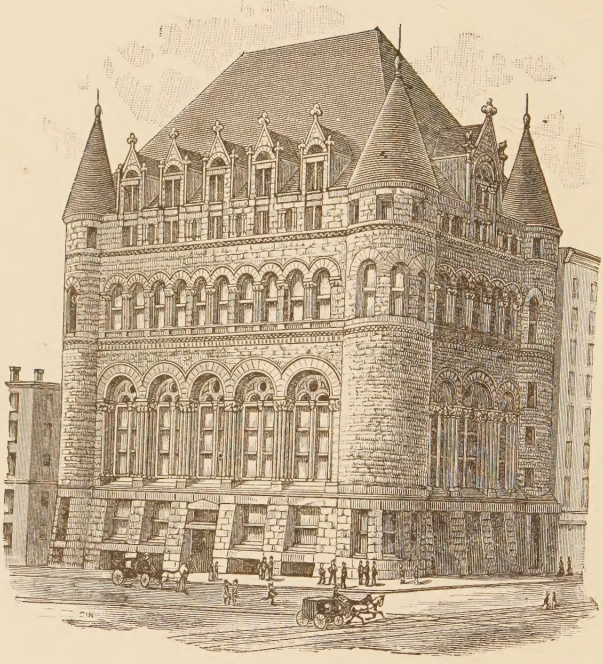

# FIFTY-SEVENTH ANNUAL REPORT

OF THE

# CINCINNATI

# CHAMBER OF COMMERCE

AND

# MERCHANTS' EXCHANGE,

FOR THE

# YEAR ENDING DECEMBER 31, 1905

OHIO STATE UNIVERSITY

CINCINNATI:
THE OHIO VALLEY COMPANY, PRINTERS
Nos. 317 to 323 Race Street,
1906.

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OHIO STATE
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# CINCINNATI CHAMBER OF COMMERCE.

## OFFICERS FOR 1906.

*President:*
L. L. SADLER.

*First Vice-President:*
ROBERT W. WISE.

*Second Vice-President:*
J. B. WALLACE.

*Directors:*

FOR ONE YEAR.
B. W. GALE,
EDWARD R. BUHRMAN,
HARRY H. HILL,
J. M. SEARS,
JOHN HOFFMANN.

FOR TWO YEARS.
E. E. WILLIAMSON,
EMIL M. MAYER,
HENRY W. BROWN,
CHARLES HEIDRICH,
ROBERT C. CROWTHERS.

*Treasurer:*
O. G. FETTER.

*Secretary:*
H. B. MCCULLOUGH.

*Superintendent and Executive Secretary:*
CHARLES B. MURRAY.

## OFFICERS FOR 1905.

*President:*
H. LEE EARLY.

*First Vice-President:*
L. L. SADLER.

*Second Vice-President:*
ROBERT W WISE.

*Directors:*

FOR ONE YEAR.
WALTER A. DRAPER,
GEORGE KOEHLER,
A. G. NORMAN,
ROBERT P. GILLHAM,
FRANK F. COLLINS.

FOR TWO YEARS.
B. W. GALE,
EDWARD R. BUHRMAN,
HARRY H. HILL,
J. M. SEARS,
JOHN HOFFMANN.

*Treasurer:*
O. G. FETTER.

*Secretary:*
J. B. CLANCEY.

*Superintendent and Executive Secretary:*
CHARLES B. MURRAY.

## INSPECTION COMMITTEES FOR 1906.

*On Grain*.....B. W. WASSON, CHAIRMAN; LYMAN PERIN, JR., JOHN V. METZGER, A. B. TAYLOR, JOHN H. ALLEN.

*On Flour*.....MICHAEL KNAUL, CHAIRMAN; WILLIAM CAMERER, MONROE IZOR, ADAM SMYRL, JOHN C. RAIBLE.

*On Provisions*.....JACOB VOGEL, JR., CHAIRMAN; GEORGE ZEHLER, MICHAEL RYAN, JOHN HOFFMANN (HOFFMANN SONS), CHARLES JACOB.

*On Whisky*.....JOSEPH DEBAR, CHAIRMAN; J. WALTER FREIBERG, FRANK P. THOMAS, GEORGE F. DIETERLE, WM. C. BILES.

*On Hay*.....F. F. COLLINS, CHAIRMAN; JOSEPH HEUERMANN, ANDREW M. BRAUN, S. R. VOORHEES, F. E. FLEMING.

*On Coal*.....JOHN BRASHEARS, CHAIRMAN; H. C. WHETSTONE, A. B. TRUM, THOMAS J. BOLGER, R. P. GILLHAM.

*On Cloth*.....THOMAS W. ALLEN, CHAIRMAN; WILLIAM H. ALMS, M. E. MOCH, W. A. HOPPLE, JACOB MENDERSON.

*On Lumber*.....W. A. BENNETT, CHAIRMAN; CLINTON CRANE, H. P. WIBORG, T. J. MOFFETT, THOMAS B. STONE.

*On Public Weighing*.....H. EDWARD RICHTER, CHAIRMAN; PETER VAN LEUNEN, JOHN E. COLLINS, JR., AUGUST FERGER, FRANK R. MAGUIRE.

*On Produce*.....HENRY VOGEL, CHAIRMAN; DAVID S. DREIFUS, A. G. NORMAN, SAMUEL A. EBERLE, LOUIS ROMER.

---

## COMMITTEE OF ARBITRATION—1906.

W. W. ALEXANDER,
PARIS C. BROWN,
JOHN G. BROXTERMAN,
B. W. CAMPBELL,
F. J. DIEM,
H. J. FINKE.
A. C. GALE,
D. B. GRANGER,
FRED. GUCKENBERGER,
JOHN P. HANNA,
JOHN B. HEID,
HARRY W. MAESCHER,
CHARLES H. MOORE,
O. L. PERIN,
H. C. WHETSTONE.

---

## COMMITTEE OF APPEALS—1906.

FRANK ANDREW,
OSCAR F. BARRETT,
W. V. EBERSOLE,
L. V. FINKLE,
JOHN H. GOYERT,
T. L. GREENWALD,
ANDREW NORDMEYER,
EMIL C. PETER,
EDWARD SCHONEBAUM
GEORGE C. SCHNEIDER,
M. D. THOMPSON,
FRANK VIETH,
MORRIS F. WESTHEIMER,
CHARLES WIEDEMANN,
HENRY WOLTER.

---

## COMMITTEE ON TRANSPORTATION—1906.

JAMES T. MCHUGH, CHAIRMAN.

H. LEE EARLY, B. W. CAMPBELL JOHN H. ALLEN, ROBERT H. WEST.

## COMMITTEES ON QUOTATIONS FOR RECORD OF PRICES CURRENT.

1906.

*Butter and Butterine*.....CHARLES H. HESS, ANDREW ROHAN, HERMANN TELKER, FRED. BERGEWISCH.

*Candles*.....WM. COOPER PROCTER, CASIMER WERK.

*Cattle, Hogs and Sheep*.....J. F. EVERSMAN, THOMAS M. GREENE, JACOB STERN.

*Cheese*.....JOHN C. MULVIHILL, ANDREW ROHAN.

*Coal and Coke*.....ROBERT P. GILLHAM, JOHN BRASHEARS, A. B. TRUM, CHAPMAN R. HINSCH, HENRY R. MATHER.

*Cooperage & Coopers' Stuff*..WILLIAM A. HALL, NICHOLAS J. HOBAN, RANDALL J. WYMOND, JOHN G. BAUER.

*Eggs*.....WM. P. MAPPES, SAMUEL A. EBERLE, DAVID S. DREIFUS, A. G. NORMAN, A. W. LETT.

*Flour*.....F. A. BRAUER, JOHN H. ALLEN, JOHN B. HEID, MONROE IZOR, ADAM SMYRL.

*Freight, Railroad*.....A. H. McLEOD, GEORGE METZGER, A. L. ROBINETT.

*Freight, River*.....J. F. ELLISON, OSCAR F. BARRETT, THOMAS J. HALL.

*Fruits, Dried*.....R. A. HOLDEN, LOUIS ROMER, W. W. BLAIR.

*Fruits, Green*.....JOHN LEVERONE, ABRAHAM BLOOM, FREDK. KUSHMAN.

*Grain, Wheat*.....JAMES A. LOUDON, JOHN DORSEL, FRANK W. FOULDS, H. EDW. RICHTER, F. F. COLLINS.

*Grain, Corn*.....A. C. GALE, H. LEE EARLY, WM. R. McQUILLAN, CHAS. S. MAGUIRE, JOHN DE MOLET, JR.

*Grain, Oats*.....P. M. GALE, W. W. GRANGER, GEORGE KELLER, CHARLES E. KNAUL, JOHN E. COLLINS, JR.

*Grain, Rye*.....GEO. C. SCHNEIDER, THEOBALD FELSS, ALFRED GOWLING, W. W. GRANGER, HENRY WOLTER.

*Grain, Barley*.....CHARLES E. KNAUL, MAX BLUMENTHAL, LOUIS HEHMAN.

*Groceries*.....AUGUST JANSZEN, B. H. KROGER, R. A. HOLDEN.

*Hay*.....GEORGE A. ROOT, WM. H. KRAMER, GEORGE KELLER, FRANK VEITH, DANIEL B. GRANGER.

*Hides and Wool*.....LUDWIG WISE, SIMON GREENEBAUM.

*Iron*.....D. B. MEACHAM, W. F. ROBERTSON, GEORGE KINSEY.

*Lumber*.....H. P. WIBORG, T. J. MOFFETT, W. A. BENNETT.

*Mill Feed*.....GEORGE KELLER, BERNARD H. WESS, H. EDWARD RICHTER, S. R. VOORHEES, JOHN H. ALLEN.

*Oils, Lard*.....CHARLES H. MOORE.

*Oils, Cottonseed*.....WALTER H. FIELD.

*Oils, Linseed*.....CHARLES E. GINN.

*Peanuts*.....W. W. BLAIR, JAMES J. HEEKIN.

*Petroleum*.....RUFUS BURCKHARDT, C. P. WAGNER.

*Potatoes*.....HENRY WOLTER, I. JAMES CANNON, ABRAHAM BLOOM.

*Provisions*.....CHARLES E. ROTH, FREDERICK SCHROTH, EDWARD S. GRANT, HERMAN LOEWENSTEIN.

*Salt*.....JOHN DUNHOLTER.

*Seeds*.....ARTHUR O. EVANS, ALBERT McCULLOUGH.

*Sorghum*.....JOHN A. KREIS, IVAN C. WALTER, ARTHUR O. EVANS.

*Tallow and Grease*.....JOHN J. BURCHENAL, W. H. WASHINGTON, JOSEPH RYAN, MICHAEL SCHWARTZ.

*Tobacco*.....W. H. LEWIS.

*Whisky*.....GEORGE F. DIETERLE, JAMES T. McHUGH, WILLIAM C. SANDERS, OLIVER L. PERIN, MORRIS F. WESTHEIMER.

## DELEGATES TO THE NATIONAL BOARD OF TRADE

| 1906. | | 1905. | |
|---|---|---|---|
| JAMES T. McHUGH, | J. F. ELLISON, | JAMES T. McHUGH, | GEORGE F. DIETERLE, |
| ROBERT W. WISE, | H. LEE EARLY, | WILL L. FINCH, | CHARLES B. MURRAY, |
| CHARLES B. MURRAY. | | ROBERT W. WISE. | |

## *INSPECTORS—1906.

*Grain and Hay Inspection Bureau:*

HOMER CHISMAN.....Chief Inspector.
EDWARD F. DENNIS.....Assistant Inspector.

*Flour Inspection Bureau:*

GEORGE F. MUNSON.....Inspector.

*Chamber of Commerce Weighing Bureau:*

WILLIAM McCALLISTER.....Chief Weigher.

*Inspector of Provisions:*

JOHN C. MORRISON.....

## *COAL GAUGERS.—1906.

WINFIELD S. CARR, HARRY RIGDON.

# PORK PACKERS' AND PROVISION DEALERS' ASSOCIATION

OF CINCINNATI.

## OFFICERS FOR 1906.

*President:*
JOSEPH L. ROTH.

*Vice-Presidents:*
WILLIAM H. DAVIS, JOHN V. MAESCHER, H. H. MEYER,

*Treasurer:*
THOMAS MORRISON.

*Secretary:*
CHARLES B. MURRAY.

* By action of the Board of Directors, October 13, 1896, Inspectors, Public Weighers, Measurers and Gaugers, by appointment of the Chamber of Commerce, are not allowed to inspect, weigh, measure or gauge any commodity in which they are directly or indirectly interested.

# OFFICERS OF THE CHAMBER OF COMMERCE

FROM ITS ORGANIZATION.

**Officers from October, 1839, to January, 1840.**

*President*—Griffin Taylor.
*Vice-Presidents*—R. G. Mitchell, Peter Neff, S. B. Findley, John Reeves, Thos. J. Adams, Jacob Strader
*Treasurer*—B. W. Hewson.
*Secretary*—Henry Rockey.

**Officers for 1840.**

*President*—Griffin Taylor.
*Vice-Presidents*—R. G. Mitchell, John Reeves, Peter Neff, Thomas J. Adams, S. B. Findley, Samuel Trevor.
*Treasurer*—B. W. Hewson.
*Secretary*—Henry Rockey.

**Officers for 1841.**

*President*—Lewis Whiteman.
*Vice-Presidents*—Thomas J. Adams, S. B. Findley, Peter Neff, Samuel Trevor, R. G. Mitchell, S. O. Butler,
*Treasurer*—B. W. Hewson.
*Secretary*—Henry Rockey.

**Officers for 1842.**

*President*—Roland G. Mitchell.
*Vice-Presidents*—S. O. Butler, James Pullan, L. Worthington, Thomas J. Adams, Samuel Trevor, John Reeves.
*Treasurer*—B. W. Hewson.
*Secretary*—Henry Rockey.

**Officers for 1843.**

*President*—Thomas J. Adams.
*Vice-Presidents*—A. M. Taylor, R. W. Lee, Samuel Fosdick, James Pullan, R. B. Bowler, Nathan Sampson.
*Treasurer*—S. C. Parkhurst.
*Secretary*—Henry Rockey.

**Officers for 1844.**

*President*—Thomas J. Adams.
*Vice-Presidents*—M. R. Taylor, R. W. Lee, Calvin Fletcher, W. B. Alford, Jas. C. Hall, Nathan Sampson.
*Treasurer*—S. C. Parkhurst.
*Secretary*—Henry Rockey.

**Officers for 1845.**

*President*—James C. Hall.
*Vice-Presidents*—Benjamin Urner, Geo. H. Bates, George H. Hartwell, J. P. Tweed, R. W. Lee, Lewis Einstein.
*Treasurer*—William Manser.
*Secretary*—Henry Rockey.

**Officers for 1846-47.**

*President*—James C. Hall.
*Vice-Presidents*—R. W. Lee, Benjamin Urner, N. W. Thomas, Charles Hartshorne, L. Worthington, L. B. Harrison.
*Treasurer*—George Milne.
*Secretary*—William D. Gallagher.
*Superintendent*—A. Peabody.

**Officers for 1847-48.**

*President*—James C. Hall.
*Vice-Presidents*—N. W. Thomas, Charles Hartshorne, Benjamin Urner, Lewis Whiteman, Joseph Torrence, S. C. Parkhurst.
*Treasurer*—George Milne.
*Secretary*—Channing Richards.
*Superintendent*—A. Peabody.

**Officers for 1848-49.**

*President*—N. W. Thomas.
*Vice-Presidents*—Joseph Torrence, Henry Emerson, R. M. W. Taylor, Robert Brown, Charles Hartshorne, D. M. Foster.
*Treasurer*—George Milne.
*Secretary*—Channing Richards.
*Superintendent*—A. Peabody.

**Officers for 1849-50.**

*President*—N. W. Thomas.
*Vice-Presidents*—D. M. Foster, Henry Emerson, W. B. Cassilly, Joseph Torrence, S. P. Hall, George Keck.
*Treasurer*—George Milne.
*Secretary*—Richard Smith.
*Superintendent*—Richard Smith.

**Officers for 1850-51.**

*President*—N. W. Thomas.
*Vice-Presidents*—Henry Emerson, William Hooper, Briggs Swift, W. B. Cassilly, M. B. Ross, Jos. Torrence.
*Treasurer*—George Milne.
*Secretary*—Richard Smith.
*Superintendent*—Richard Smith.

**Officers for 1851-52.**

*President*—N. W. Thomas.
*Vice-Presidents*—Henry Emerson, W. W. Scarborough, John Swasey, George Keck, William Hooper, C. W. West.
*Treasurer*—George Milne.
*Secretary*—Richard Smith.
*Superintendent*—Richard Smith.

**Officers for 1852-53.**

*President*—N. W. Thomas.
*Vice-Presidents*—George Keck, R. W. Keys, S. P. Hibberd, Edmund Dexter, C.W.West, Henry Emerson
*Treasurer*—George Milne.
*Secretary*—Richard Smith.
*Superintendent*—Richard Smith.

**Officers for 1853-54.**

*President*—N. W. Thomas.
*Vice-Presidents*—Edmund Dexter, L. B. Harrison, C. W. West, S. Davis, Jr., Robert Andrews, S. P. Hibberd.
*Treasurer*—George Milne.
*Secretary*—Richard Smith.
*Superintendent*—Richard Smith.

### Officers for 1854-55.

*President*—R. M. W. Taylor.
*Vice-Presidents*—George Shillito, Briggs Swift, . W. Keys, Charles Davis, Robert Hosea, A. D. E. Tweed.
*Treasurer*—George Milne.
*Secretary*—Richard Smith.
*Superintendent*—William Smith.

### Officers for 1855-56.

*President*—James F. Torrence.
*Vice-Presidents*—Charles Davis, James McKeehan, John Swasey, Robert Hosea, A. D. E. Tweed, Lowell Fletcher.
*Treasurer*—Robert Brown.
*Secretary*—Richard Smith.
*Superintendent*—William Smith.

### Officers for 1856-57.

*President*—Joseph Torrence.
*Vice-Presidents*—P. Andrew, J. D. Lehmer, A. D. E. Tweed, S. Davis, Jr., Isaac A. Ogborn, William Glenn.
*Treasurer*—Robert Brown.
*Secretary*—Richard Smith.
*Superintendent*—William Smith.

### Officers for 1857-58.

*President*—Joseph Torrence.
*Vice-Presidents*—William Glenn, Seth Evans, George F. Davis, P. Andrew, James A. Frazer, Isaac A. Ogborn.
*Treasurer*—Robert Brown.
*Secretary*—Richard Smith.
*Superintendent*—William Smith.

### Officers for 1858-59.

*President*—Joseph Torrence.
*Vice-Presidents*—George F. Davis, Seth Evans, P. Andrew, Isaac A. Ogborn, W. C. Neff, William Shaffer.
*Treasurer*—Robert Brown.
*Secretary*—Richard Smith.
*Superintendent*—William Smith.

### Officers for 1859-60.

*President*—Joseph Torrence.
*Vice-Presidents*—John A. Dugan, Benjamin Eggleston, Morris Orum, Isaac A. Ogborn, Thomas H. Foulds, Sam. J. Hale.
*Treasurer*—Robert Brown.
*Secretary*—Richard Smith.
*Superintendent*—William Smith.

### Officers for 1860-61.

*President*—J. W. Sibley.
*Vice-Presidents*—John Dubois, R. A. Jones, Thos. Ong, Morris Orum, John A. Dugan, Sam. J. Hale.
*Treasurer*—Robert Brown.
*Secretary*—John A. Gano.
*Superintendent*—William Smith.

### Officers for 1861-62.

*President*—Joseph C. Butler.
*Vice-Presidents*—B. P. Baker, Isaac A. Ogborn, N. Goldsmith, J. D Minor, Lewis Fagin, S. W. Smith.
*Treasurer*—George Keck.
*Secretary*—John A. Gano.
*Superintendent*—William Smith.

### Officers for 1862-63.

*President*—George F. Davis.
*Vice-Presidents*—William Henry Davis, N. Goldsmith, Isaac A. Ogborn, A. E. Armstrong, Thomas H. Foulds, James M. Glenn.
*Treasurer*—George Keck.
*Secretary*—John A. Gano.
*Superintendent*—William Smith.

### Officers for 1863-64.

*President*—George F. Davis.
*Vice-Presidents*—Isaac A. Ogborn, E. P. Coe, N. Goldsmith, Thomas H. Foulds, W. D. Chipman, James M. Glenn.
*Treasurer*—George Keck.
*Secretary*—John A. Gano.
*Superintendent*—William Smith.

### Officers for 1864-65.

*President*—George F. Davis.
*Vice-Presidents*—Isaac A. Ogborn, S. W. Smith, Thos. H. Foulds, Seth Evans, S. C. Newton, Wm. H. Woods.
*Treasurer*—George Keck.
*Secretary*—John A. Gano.
*Superintendent*—William Smith.

### Officers for 1865-66.

*President*—Theodore Cook.
*Vice-Presidents*—S. C. Newton, William H. Gilpin, C. Taylor Jones, Andrew Erkenbrecher, Sam. J. Hale, Thomas H. Foulds.
*Treasurer*—William Shaffer.
*Secretary*—John A. Gano.
*Superintendent*—William Smith.

### Officers for 1866-67.

*President*—S. C. Newton.
*Vice-Presidents*—E. W. Cunningham, M. W. Stone, Oliver Perin, Wm. H. Davis, Wm. H. Gilpin, S. J. Hale.
*Treasurer*—William Shaffer.
*Secretary*—John A. Gano.
*Superintendent*—William Smith.

### Officers for 1867-68.

*President*—John A. Gano.
*Vice-Presidents*—Oliver Perin, M. W. Stone, John D. Minor, H. Morris Johnston, William Henry Davis, Florence Marmet.
*Treasurer*—William Shaffer.
*Secretary*—George McLaughlin.
*Superintendent*—William Smith.

### Officers for 1868-69.

*President*—John A. Gano.
*Vice-Presidents*—William Henry Davis, H. Morris Johnston, Florence Marmet, J. H. French, S. F. Covington, Abner L. Frazer.
*Treasurer*—William Shaffer.
*Secretary*—George McLaughlin.
*Superintendent*—William Smith.

### Officers for 1869-70.

*President*—John A. Gano.
*Vice-Presidents*—S. F. Covington, Abner L. Frazer, W. J. Lippincott, B. W. Wasson, H. Wilson Brown, William Henry Davis.
*Treasurer*—Jason Evans.
*Secretary*—J. M. W. Neff.
*Superintendent*—William Smith.

### Officers for 1870-71.

*President*—Charles W. Rowland.
*Vice-Presidents*—John Morrison, H. Wilson Brown, S. F. Covington, L. T. Barr, B. W. Wasson, John S. Sloan.
*Treasurer*—Jason Evans.
*Secretary*—D. L. Garrison.
*Superintendent*—William Smith.

### Officers for 1871-72.

*President*—Charles W. Rowland.
*Vice-Presidents*—James M. Glenn, John Kyle, John Morrison, L. J. Workum, J. R. Reed, Howard Eckert.
*Treasurer*—William Shaffer.
*Secretary*—N. S. Jones.
*Superintendent*—Sidney D. Maxwell.

### Officers for 1872-73.

*President*—S. F. Covington.
*Vice-Presidents*—M. W. Stone, J. C. Crane, Seth Evans, W. D. Chipman, J. M. Wallingford, Samuel V. Reid.
*Treasurer*—William Shaffer.
*Secretary*—William T. Tibbitts.
*Superintendent*—Sidney D. Maxwell.

### Officers for 1873-74.

*President*—S. F. Covington.
*Vice-Presidents*—C. M. Holloway, George F. Ireland, Samuel V. Reid, Alfred C. Thomas, George B. Weidler, John H. Porter.
*Treasurer*—William Shaffer.
*Secretary*—William T. Tibbitts.
*Superintendent*—Sidney D. Maxwell.

### Officers for 1874-75.

*President*—C. M. Holloway.
*Vice-Presidents*—Edmund Dexter, George B. Weidler, James S. Wise, Alfred C. Thomas, Peter A. White, L. C. Weir.
*Treasurer*—Warren Rawson.
*Secretary*—Charles B. Murray.
*Superintendent*—Sidney D. Maxwell.

### Officers for 1875-76.

*President*—C. M. Holloway.
*Vice-Presidents*—Edmund Dexter, William Harvey, Thomas G. Smith, George F. Ireland, Peter A. White, Henry J. Page.
*Treasurer*—Briggs Swift.
*Secretary*—Brent Arnold.
*Superintendent*—Sidney D. Maxwell.

### Officers for 1876-77.

*President*—Benjamin Eggleston.
*Vice-Presidents*—William J. Armel, James Gordon, Joseph R. Megrue, John W. Hartwell, Henry J. Page, William H. Gilpin.
*Treasurer*—Briggs Swift.
*Secretary*—Brent Arnold.
*Superintendent*—Sidney D. Maxwell.

### Officers for 1877-78.

*President*—John W. Hartwell.
*Vice-Presidents*—George I. King, Frederick A. Laidley, Joseph R. Megrue, Thomas Morrison, James D. Parker, Lewis L. Sadler.

### Officers for 1877-78—*Cont'd.*

*Treasurer*—Florence Marmet.
*Secretary*—Enoch Taylor.
*Superintendent*—Sidney D. Maxwell.

### Officers for 1878-79.

*President*—William N. Hobart.
*Vice-Presidents*—Briggs S. Cunningham, James S. Wise, William Means, Thomas Morrison, Charles N. Fox, John W. Christy.
*Treasurer*—Florence Marmet.
*Secretary*—John H. Long.
*Superintendent*—Sidney D. Maxwell.

### Officers for 1879-80.

*President*—H. Wilson Brown.
*Vice-Presidents*—Briggs S. Cunningham, Herman Goepper, William H. Gilpin, Mathew Ryan, Wm. A. Procter, William W. Taylor.
*Treasurer*—James Espy.
*Secretary*—John H. Long.
*Superintendent*—Sidney D. Maxwell.

### Officers for 1880-81.

*President*—Henry C. Urner.
*Vice-Presidents*—John H. Long, Herman Goepper, William Harvey, Paul F. Mohr, Samuel McKeehan, William W. Taylor.
*Treasurer*—John Kyle.
*Secretary*—James H. Foote.
*Superintendent*—Sidney D. Maxwell.

### Officers for 1881-82.

*President*—Henry C. Urner.
*Vice-Presidents*—William Harvey, Samuel McKeehan, Lewis O. Maddux, Daniel Stone, Thomas L. Macdonald, Morgan H. Fagin.
*Treasurer*—John Kyle.
*Secretary*—John H. Long.
*Superintendent*—Sidney D. Maxwell.

### Officers for 1882-83.

*President*—James D. Parker.
*Vice-Presidents*—W. W. Peabody, Michael Ryan, Frank Kinsey, Richard H. Cost, Nicholas Curtis, J. N. Wooliscroft.
*Treasurer*—John A. Townley.
*Secretary*—Charles B. Murray.
*Superintendent*—Sidney D. Maxwell.

### Officers for 1883-84.

*President*—W. W. Peabody.
*First Vice-President*—Lewis L. Sadler.
*Second Vice-President*—Adolph Wood.
*Directors—For One Year*—Frank Kinsey, Richard H. Cost, Chas. Fleischmann, B. Frank Davis, F. X. Reno.
*For Two Years*—Stephen F. Dana, Sam'l Bailey, Jr., Henry J. Page, William V. Ebersole, Chas. H. Jacob.
*Treasurer*—John A. Townley.
*Secretary*—Charles B. Murray.
*Superintendent*—Sidney D. Maxwell.
*Board of Real Estate Managers*—W. W. Peabody, President; Henry C. Urner (four years), John Carlisle (three years), A. Hickenlooper (two years), Seth C. Foster (one year).

### Officers for 1884-85.

*President*—W. W. Peabody.
*First Vice-President*—Adolph Wood.
*Second Vice-President*—Adam Gray.
*Directors—For One Year*—Stephen F. Dana, Samuel Bailey, Jr., Henry J. Page, William V. Ebersole, Charles H. Jacob.
*For Two Years*—C. C. Waite, Lewis W. Shaffer, Grove J. Penney, Henry DeBus, Henry M. Warren.
*Treasurer*—Herman Goepper.
*Secretary*—Charles B. Murray.
*Superintendent*—Sidney D. Maxwell.
*Board of Real Estate Managers*—W. W. Peabody-President; John Kyle (four years), Henry C. Urner (three years), John Carlisle (two years), A. Hickenlooper (one year).

### Officers for 1885-86.

*President*—Edwin Stevens.
*First Vice-President*—Adam Gray.
*Second Vice-President*—Levi C. Goodale.
*Directors—For One Year*—C. C. Waite, Lewis W. Shaffer, Grove J. Penney, Henry DeBus, Henry M. Warren.
*For Two Years*—L. H. Brooks, John A. Kreis, Wm. E. Hutton, Ralph Peters, Sol. P. Kineon.
*Treasurer*—Chas. H. Flach.
*Secretary*—Charles B. Murray.
*Superintendent*—Sidney D. Maxwell.
*Board of Real Estate Managers*—Edwin Stevens, President; James M. Glenn (four years), John Kyle (three years), Henry C. Urner (two years), John Carlisle (one year).

### Officers for 1886-87.

*President*—A. Hickenlooper.
*First Vice-President*—Levi C. Goodale.
*Second Vice-President*—C. C. Waite.
*Directors—For One Year*—L. H. Brooks, John A. Kreis, William E. Hutton, Ralph Peters, Sol. P. Kineon.
*For Two Years*—John M. Kirtley, Augustus H. Honshell, William L. Hunt, Frank Evans, Joseph Rawson, Jr.
*Treasurer*—Richard Ryan.
*Secretary*—Ambrose White.
*Superintendent*—Sidney D. Maxwell.
*Board of Real Estate Managers*—A. Hickenlooper, President; John Carlisle (four years), James M. Glenn (three years), John Kyle (two years), Henry C. Urner (one year).

### Officers for 1887-88.

*President*—Levi C. Goodale.
*First Vice-President*—C. C. Waite.
*Second Vice-President*—Lowe Emerson.
*Directors—For One Year*—John M. Kirtley, Augustus H. Honshell, William L. Hunt, Frank Evans, Joseph Rawson, Jr.
*For Two Years*—Joseph R. Brown, G. V. Stevenson, Sam. W. Weidler, Paris C. Brown, Charles R. Brent.
*Treasurer*—Albert Erkenbrecher.
*Secretary*—William E. Hutton.
*Superintendent*—Sidney D. Maxwell.
*Board of Real Estate Managers*—Levi C. Goodale, President; Henry C. Urner (four years), John Carlisle (three years), James M. Glenn (two years), John Kyle (one year).

### Officers for 1888-89.

*President*—Thomas Morrison.
*First Vice-President*—Lowe Emerson.
*Second Vice-President*—Richard Dymond.
*Directors—For One Year*—Joseph R. Brown, G. V. Stevenson, Sam. W. Weidler, Paris C. Brown, Charles R. Brent.
*For Two Years*—J. Walter Freiberg, A. H. McLeod, William McCallister, John F. Hazen, John N. Wooliscroft.
*Treasurer*—William L. Hunt.
*Secretary*—Paul M. Millikin.
*Superintendent*—Sidney D. Maxwell.
*Board of Real Estate Managers*—Thomas Morrison, President; *John Kyle (four years), Henry C. Urner (three years), John Carlisle (two years), James M. Glenn (one year).

### Officers for 1889-90.

*President*—Lee H. Brooks.
*First Vice-President*—Richard Dymond.
*Second Vice-President*—Joseph R. Brown.
*Directors—For One Year*—J. Walter Freiberg, A. H. McLeod, William McCallister, John F. Hazen, John N. Wooliscroft.
*For Two Years*—Samuel J. Hale, George F. Munson, William Montgomery, Robert Laidlaw, Edward Senior.
*Treasurer*—Gazzam Gano.
*Secretary*—H. B. Morehead.
*Superintendent*—Sidney D. Maxwell.
*Board of Real Estate Managers*—Lee H. Brooks, President; Samuel Bailey, Jr. (four years), C. M. Holloway (three years), Henry C. Urner (two years), John Carlisle (one year).

### Officers for 1890-91.

*President*—Lowe Emerson.
*First Vice-President*—Joseph R. Brown.
*Second Vice-President*—Ralph Peters.
*Directors—For One Year*—Samuel J. Hale, George F. Munson, William Montgomery, Robert Laidlaw, Edward Senior.
*For Two Years*—Frank A. Rothier, Benj. F. Haughton, John M. Kennedy, Harry L. Laws, Dawson Blackmore.
*Treasurer*—Samuel W. Ramp.
*Secretary*—N. R. Adriance.
*Superintendent*—Sidney D. Maxwell.
*Board of Real Estate Managers*—Lowe Emerson, President; John Grubb (four years), Samuel Bailey, Jr. (three years), C. M. Holloway (two years), Henry C. Urner (one year).

### Officers for 1891-92.

*President*—Joseph R. Brown.
*First Vice-President*—Ralph Peters.
*Second Vice-President*—Michael Ryan.
*Directors—For One Year*—Frank A. Rothier, Benj. F, Haughton, John M. Kennedy, Harry L. Laws, Dawson Blackmore.
*For Two Years*—Thomas W. Allen, J. Milton Blair, Robert W. Wise, Frank A. Brown, B. W. Wasson.
*Treasurer*—George H. Bohrer.
*Secretary*—James T. McHugh.
*Superintendent*—Charles B. Murray.

* Died March 20, 1889. C. M. Holloway elected to fill vacancy April 23, 1889.

### Officers for 1892-93.

*President*—Brent Arnold.
*First Vice-President*—Michael Ryan.
*Second Vice-President*—William E. Hutton.
*Directors—For One Year*—Thomas W. Allen, J. Milton Blair, Robert W. Wise, Frank A. Brown, B. W. Wasson.
*For Two Years*—Casper H. Rowe, Albert Lackman, Peter Van Leunen, James B. Wallace, Albert B. Voorheis.
*Treasurer*—Clifford B. Wright.
*Secretary*—Maurice J. Freiberg.
*Superintendent*—Charles B. Murray.

### Officers for 1893-94.

*President*—Michael Ryan.
*First Vice-President*—William E. Hutton.
*Second Vice-President*—Maurice J. Freiberg.
*Directors—For One Year*—Casper H. Rowe, Albert Lackman, Peter Van Leunen, James B. Wallace, Albert B. Voorheis.
*For Two Years*—Paris C. Brown, Adam Smyrl, S. W. Bard, W. W. Granger, Jr., Rufus Burckhardt.
*Treasurer*—George Guckenberger.
*Secretary*—A. H. Pape.
*Superintendent*—Charles B. Murray.

### Officers for 1894-95.

*President*—James M. Glenn.
*First Vice-President*—Maurice J. Freiberg.
*Second Vice-President*—Wm. McCallister.
*Directors—For One Year*—Paris C. Brown, Adam Smyrl, S. W. Bard, W. W. Granger, Jr., R. Burckhardt.
*For Two Years*—J. Parker Gale, Talton Embry, Nicholas J. Hoban, F. M. Huschart, T. P. Wiggins.
*Treasurer*—Albert Lackman.
*Secretary*—C. Lee Williams.
*Superintendent*—Charles B. Murray.

### Officers for 1895-96.

*President*—Maurice J. Freiberg.
*First Vice-President*—Wm. McCallister.
*Second Vice-President*—B. W. Wasson.
*Directors—For One Year*—J. Parker Gale, Talton Embry, Nicholas J. Hoban, F. M. Huschart, T. P. Wiggins.
*For Two Years*—H. Lee Early, Frank W. Foulds, John H. Allen, George F. Dieterle, John S. Shillito.
*Treasurer*—Casper H. Rowe.
*Secretary*—Fred. Guckenberger.
*Superintendent*—Charles B. Murray.

### Officers for 1896-97.

*President*—J. Milton Blair.
*First Vice-President*—B. W. Wasson.
*Second Vice-President*—Wm. L. Hunt.
*Directors—For One Year*—H. Lee Early, Frank W. Foulds, John H. Allen, George F. Dieterle, John S. Shillito.

### Officers for 1896-97—*Cont'd.*

*For Two Years*—Robert H. West, Edwin C. Gibbs, Oscar F. Barrett, Clarence H. Jones, J. W. Dunn.
*Treasurer*—P. M. Millikin.
*Secretary*—James B. Wallace.
*Superintendent*—Charles B. Murray.

### Officers for 1897-98.

*President*—William McCallister.
*First Vice-President*—*Oliver L. Perin.
*Second Vice-President*—William B. Melish.
*Directors—For One Year*—Robert H. West, Edwin C. Gibbs, Oscar F. Barrett, Clarence H. Jones, J. W Dunn.
*For Two Years*—William F. Robertson, Wm. A. Goodman, Jr., H. P. Wiborg, John M. Macdonald, William R. McQuillan.
*Treasurer*—Charles A. Hinsch.
*Secretary*—Charles L. Garner.
*Superintendent*—Charles B. Murray.

### Officers for 1898-99.

*President*—Robert H. West.
*First Vice-President*—†John H. Allen.
*Second Vice-President*—James T. McHugh.
*Directors—For One Year*—William F. Robertson, William A. Goodman, Jr., H. P. Wiborg, John M. Macdonald, William R. McQuillan.
*For Two Years*—Charles E. Fish, Jr., M. E. Lynn, Charles E. Knaul, Hugo Gruner, J. F. Ellison.
*Treasurer*—L. B. Daniel.
*Secretary*—George Metzger.
*Superintendent*—Charles B. Murray.

### Officers for 1899-1900.

*President*—John H. Allen.
*First Vice-President*—James T. McHugh.
*Second Vice-President*—George F. Dieterle.
*Directors—For One Year*—Charles E. Fish, Jr., M. E. Lynn, Charles E. Knaul, Hugo Gruner, J. F. Ellison,
*For Two Years*—George Zehler, Austin M. Smith, A. H. McLeod, H. G. Foulds, N. H. Biggs.
*Treasurer*—James W. Ellis.
*Secretary*—Lee Clary.
*Superintendent*—Charles B. Murray.

### ⁒ Officers for 1900-01.

*President*—James T. McHugh.
*First Vice-President*—George F. Dieterle.
*Second Vice-President*—J. F. Ellison.
*Directors—For One Year* — George Zehler, ‡C. A. Hinsch, A. H. McLeod, H. G. Foulds, N. H. Biggs.
*For Two Years*—A. Zeckendorf, Albert McCullough, George A. Root, E. S. Grant, George Peck.
*Treasurer*—Charles E. Roth.
*Secretary*—Frank C. Grote.
*Superintendent*—Charles B. Murray.

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*Elected November 9, 1897, to fill vacancy. † Elected January 24, 1899, to fill vacancy.

‡ Elected October 23, 1900, to fill vacancy.

⁒ Under amendments of the By-laws adopted on July 2, 1901, changing the annual election date from September to January, the Officers for 1900-01 continued until January, 1902.

### Officers for 1902.

*President*—W. W. Granger.
*First Vice-President*—J. F. Ellison.
*Second Vice-President*—Samuel Bailey, Jr.
*Directors—For One Year*—A. Zeckendorf, Albert McCullough, George A. Root, E. S. Grant, George Peck.
*For Two Years*—Albert C. Gale, George M. Halm, Morris F. Westheimer, D. J. Mullaney, Wm. C. Rogers.
*Treasurer*—John H. Goyert.
*Secretary*—James T. Earle.
*Superintendent*—Charles B. Murray.

### Officers for 1903.

*President*—J. F. Ellison.
*First Vice-President*—Samuel Bailey, Jr.
*Second Vice-President*—J. B. Wallace.
*Directors—For One Year*—Albert C. Gale, George M. Halm, Morris F. Westheimer, Daniel J. Mullaney, William C. Rogers.
*For Two Years*—L. V. Finkle, J. George Jung, Will L. Finch, J. V. Maescher, Simon Greenebaum.
*Treasurer*—August Ferger.
*Secretary*—Frank P. Thomas.
*Superintendent*—Charles B. Murray.

### Officers for 1904.

*President*—Samuel Bailey, Jr.
*First Vice-President*—J. B. Wallace.
*Second Vice-President*—B. W. Campbell.
*Directors—For One Year*—L. V. Finkle, J. George Jung, Will L. Finch, J. V. Maescher, Simon Greenebaum.
*For Two Years*—Walter A. Draper, George Koehler, A. G. Norman, Robert P. Gillham, Frank F. Collins.
*Treasurer*—W. W. Alexander.
*Secretary*—Joseph D. Morten.
*Superintendent*—Charles B. Murray.

### Officers for 1905.

*President*—H. Lee Early.
*First Vice-President*—L. L. Sadler.
*Second Vice-President*—Robert W. Wise.
*Directors—For One Year*—Walter A. Draper, George Koehler, A. G. Norman, Robert P. Gillham, Frank F. Collins.
*For Two Years*—B. W. Gale, Edward R. Buhrman, Harry H. Hill, J. M. Sears, John Hoffmann.
*Treasurer*—O. G. Fetter.
*Secretary*—John B. Clancey.
*Superintendent*—Charles B. Murray.

### Officers for 1906.

*President*—L. L. Sadler.
*First Vice-President*—R. W. Wise.
*Second Vice-President*—J. B. Wallace.
*Directors—For One Year*—B. W. Gale, Edward R. Buhrman, Harry H. Hill, J. M. Sears, John Hoffmann.
*For Two Years*—E. E. Williamson, Emil M. Mayer, Henry W. Brown, Charles Heidrich, Robert C. Crowthers.
*Treasurer*—O. G. Fetter.
*Secretary*—H. B. McCullough.
*Superintendent*—Charles B. Murray.

# BY-LAWS.

AS IN FORCE JANUARY 1, 1906.

## PREAMBLE.

The members of the Cincinnati Chamber of Commerce and Merchants' Exchange, an Association organized and incorporated to collect information in relation to commercial, financial, and industrial affairs, that may be of general interest and value; to secure uniformity in commercial laws and customs; to facilitate business intercourse; to promote equitable principles, as well as the adjustment of differences and disputes, in trade, adopt the following By-laws:

## ARTICLE I.

### MEMBERSHIP.

SECTION 1. This Association shall comprise active and honorary members.

SEC. 2. Any person of good character, and of lawful age, on the proposal of one member, seconded by another, and on presentation of a written application stating the nature of his business, and such other information as the Board of Directors may require, after ten days' notice of such application has been conspicuously posted upon the bulletin board of the Exchange, may be admitted to active membership, if elected by the Board of Directors, on presentation of a certificate of unimpaired or unforfeited membership duly transferred to him, and on signing an agreement to abide by the By-laws, Rules and Regulations of the Association, and all amendments that may be made thereto. In the event of an application for membership being rejected by the Board of Directors, a subsequent application for the same party shall not be entertained during a period of six months from the date of the first application of the said party.

Honorary members.

SEC. 3. The Board of Directors may, by unanimous vote, admit to honorary membership any person who, from eminence, shall seem entitled to such consideration; and such honorary membership shall confer all the rights and privileges of active members during life, unless withdrawn for cause. But not more than one person shall be so admitted in any one year.

## ARTICLE II.

### GOVERNMENT.

Government of the Association; how vested.

SECTION 1. The government of the Cincinnati Chamber of Commerce and Merchants' Exchange is hereby vested in a Board of Directors, consisting of the President, two Vice-Presidents, the Treasurer, the Secretary and ten Directors, who shall be elected by ballot as hereinafter provided. The term of office of the President, Treasurer, and Secretary shall be for one year, or until their successors are elected and qualified. The term of office of the Vice-Presidents and the Directors shall be for two years, or until their successors are elected and qualified. The President, one Vice-President, the Treasurer, the Secretary, and five Directors to be elected each year. *Provided*, that the Board of Directors and all committees and appointees holding office at the time of the adoption of this article, shall continue in their respective offices and duties until their successors are duly elected and qualified.

Board of Directors; terms of office.

Continuance of Board of Directors, committees, etc.

Beginning of official terms.

SEC. 2. The official terms of all members of the Board of Directors shall begin on the Monday succeeding their election.

Members eligible to hold office, etc.

SEC. 3. No member shall be eligible to election as a member of the Board of Directors who has not been a member of the Association for at least one year preceding his election. Nor shall any person be eligible to election to any office, or to appointment upon any committee, who is not directly and actively engaged in mercantile, manufacturing, transportation, banking, insurance or kindred pursuits.

## ARTICLE III.

### ELECTIONS.

Annual election.

SECTION 1. The annual election to supply the places of the officers and directors whose terms of office are about to expire, shall be held on the first Wednesday following the second Tuesday in January of each year. The polls shall be opened at 12 o'clock M., and closed at 3 o'clock P. M. All members in good and regular standing shall be entitled to vote. All voting shall be by ballot, and proxies shall not be allowed. A plurality of votes cast shall constitute a choice.

Polls, when open.

Voting: who can vote, and how.

Tellers.

SEC. 2. The President shall, prior to any election of the Association, appoint from the members five tellers, who shall have charge of the ballot-boxes and poll lists. It shall be the duty of the tellers to receive the ballots of all members entitled to vote, to make a list of all members voting, to canvass the votes immediately after each election, and to make a return of the result thereof to the President or Secretary. Three of the tellers shall constitute a quorum for

receiving and recording the votes. The Secretary shall preserve all ballots for at least two months after an election, for further examination, if the same shall be ordered by the Board of Directors, to verify the returns made by the tellers. Ballots, preserved for two months.

SEC. 3. Upon the second Tuesday in December in every year, the Association shall elect, by ballot, a nominating committee of fifteen members, who shall nominate candidates for all of the offices to be filled at the annual election on the first Wednesday following the second Tuesday in January. The nominations so made shall be publicly announced on 'Change, and posted on the bulletin board, at least twelve days before the day of election. No person shall be eligible for any of the offices to be filled whose name shall not have been publicly announced on 'Change, and posted on the bulletin board, at least two days before the day of election. Nominating committee. Nominations to be announced and posted.

## ARTICLE IV.

### DUTIES OF OFFICERS.

SECTION 1. The PRESIDENT shall preside at all meetings of the Association and the Board of Directors, and shall act as the executive officer of the Association. He shall at the annual meetings of the Association, and at such other times as he may deem proper, communicate to the Association such matters as may, in his opinion, tend to promote the prosperity and welfare, and increase the usefulness, of the Association, and shall perform such other duties as are prescribed by these by-laws, or are necessarily incident to his office. President.

SEC. 2. The VICE-PRESIDENT serving upon the last year of his official term shall be the First Vice-President, and the Vice-President serving upon the first year of his official term shall be the Second Vice-President. In case of the absence or disability of the President, the Vice-Presidents, in the above order, shall perform the duties of the President; and in case of the absence or disability of the President and both Vice-Presidents, the Board of Directors shall appoint one of their number to temporarily perform the duties of the President. Vice-Presidents

SEC. 3. The TREASURER shall receive all moneys due to the Association, and, under the direction of the Board of Directors, shall deposit, invest, and disburse the same. He shall not pay out any of the funds of the Association, except upon an order signed by the Secretary and countersigned by the President. He shall keep regular accounts of the financial concerns of the Association, and render a statement thereof at each regular meeting of the Board of Directors. He shall also exhibit an abstract of the same at each quarterly Treasurer.

meeting of the Association, and make a detailed report thereof at each annual meeting.

The Treasurer shall give a bond, with two sufficient sureties, approved by the Board of Directors, in the penal sum of $50,000, for the faithful performance of the duties imposed on him by virtue of his office.

Secretary.

SEC. 4. The SECRETARY shall conduct the official correspondence of the Association, preserve official communications, keep an accurate record of the transactions of the Association and of the Board of Directors, and perform such other duties as are incident to his office.

## ARTICLE V.

### DUTIES AND POWERS OF THE BOARD OF DIRECTORS.

Business and financial concerns: how managed.

SECTION 1. The business and financial concerns of the Association shall be managed and conducted by, or under the direction of, the Board of Directors.

Board to enact rules,

SEC. 2. The Board of Directors, in addition to the duties specifically enjoined by these by-laws, shall enact such rules as may be deemed expedient for the government of the Exchange, for the regulation of the various departments of trade, and for the guidance and control of the committees herein provided for; it shall provide suitable Exchange rooms, and other necessary rooms and offices for the use of the Association; shall judge of the qualifications of persons applying for membership; and shall generally do such other proper and needful things as in its judgment will tend to promote the usefulness of the Association, and carry out the purposes of its organization.

Provide Exchange rooms,

And judge of the qualifications of persons applying for membership.

Meetings of Directors.

SEC. 3. The Board of Directors shall hold its regular meetings on the first Tuesday of each month. The President may, and, upon the written request of five members of the Board, shall, call special meetings of the Board. At all meetings of the Board of Directors, eight members present shall constitute a quorum.

Quorum.

When absence from meetings creates vacancy.

SEC. 4. If any member of the Board of Directors shall be absent from more than two consecutive regular meetings of the Board, without having been previously excused, or without sending a communication to the President, giving sufficient reasons for his absence, his seat in the Board may, by vote of the Board, be declared vacant.

Vacancies: how filled.

SEC. 5. In case of any vacancy from death, resignation, or other cause, in the Board of Directors, the Board of Directors shall communicate the same to the Association, and fix a day for an election by the Association to fill such vacancy for the remainder of the official term.

SEC. 6. The Board of Directors shall report at each quarterly meeting of the Association whatever may be deemed of general interest in its proceedings during the preceding quarter, and at the annual meeting shall report full details of the condition and finances of the Association. Reports of Board of Directors.

SEC. 7. The Board of Directors may require of all appointees a good and sufficient bond to secure the faithful and honest performance of the duties assigned to such appointees. Bonds of appointees.

SEC. 8. The Board of Directors shall have power to examine and try charges of misconduct in business matters, preferred against a member of the Association, when made to the President in writing by a member of the Association; and if the person against whom such charges are made shall be found guilty of a violation of these By-laws or the rules for the regulation of the Exchange, of a breach of contract, of false or fictitious reports of sales or purchases, willfully interfering with the collection of the reports of the movement of commodities, of a failure to comply with any award of the Committees of Arbitration or Appeals, or of any act contrary to the spirit that should govern all commercial transactions, the Board, by a majority vote of the whole Board, may cause him to be publicly reprimanded on 'Change, may suspend him from membership indefinitely or for a definite time (said time not to be less than six months), or may expel him from membership in the Association. Charges of misconduct. Penalties.

SEC. 9. It shall be the duty of the Board of Directors, in case any grave offense committed by any member against the good name or dignity of the Association shall come to its knowledge, either by public rumor, report or otherwise, to cause a preliminary or informal investigation to be made by a committee of its number, into the truth or falsity of such rumor or report; and if the said committee, after investigation, shall deem any member guilty of such offense as rumored or reported, they shall so report to the Board of Directors, with charges; whereupon the member thus implicated shall be notified to appear before the Board of Directors in manner as provided by Section 3, Article XII, and, if found guilty, the said member shall be reprimanded, suspended or expelled, as hereinbefore provided. Public rumors or reports of grave offenses by members. Investigation by committee. Punishment, if sustained.

SEC. 10. In any investigation or trial before the Board of Directors, or before any other duly constituted committee or other tribunal of the Association, if any member, who shall have had notice from the Secretary or Superintendent, in writing, to appear and testify in the case, or if any member who shall have been cited by the chairman of any duly constituted committee or other tribunal of the Association to appear and testify, shall neglect or refuse to so appear and testify, or, if testifying, shall refuse to answer any question which may, by a majority vote of the said Board of Directors, Refusal to appear as a witness. Or to answer questions.

committee or other tribunal, be declared proper and pertinent to the case in hearing, he shall be subject to suspension by the said Board, from all privileges of the Association, for such period as said Board may determine; which may be done by said Board in case of contempt of a witness before said Board of Directors, or on the report in writing of any such committee or other tribunal, in case the contempt shall occur before such committee or other tribunal of the Association.

Punishment for such contempt.

Announcement and notification of suspensions and expulsions.

SEC. 11. Upon the suspension or expulsion of a member, notice thereof shall be conveyed to him by the Secretary, and the Superintendent shall announce the same on 'Change.

Suspended or expelled members: how readmitted.

SEC. 12. A suspended member may be reinstated by a majority vote of the whole Board of Directors. An expelled member shall be ineligible to re-election, unless by vote of the Association his disability shall have been removed.

## ARTICLE VI.

### COMMITTEES OF ARBITRATION AND APPEALS.

Committee of Arbitration; how appointed.

SECTION 1. The Board of Directors shall annually, at its regular meeting in the month of February, appoint a Committee of Arbitration, to consist of fifteen members, who shall not be members of the Board of Directors, to hear and decide such mercantile disputes as may be submitted to it, any five of whom shall form a quorum, to hear and determine cases submitted to the committee.

Committee of Appeals: how appointed.

SEC. 2. The Board of Directors shall annually, at its regular meeting in the month of February, appoint a Committee of Appeals, to consist of fifteen members, who shall not be members of the Board of Directors, any five of whom shall form a quorum, to hear and determine appeals that may be made from the awards and findings of the Committee of Arbitration.

Oath of members of committees.

SEC. 3. Before entering upon the trial of any case, the members of the Committees of Arbitration and Appeals, taking part therein, shall be required to take, or subscribe to, the following oath or affirmation (the oath or affirmation to be administered by a Judge or Justice of the Peace of the County of Hamilton, State of Ohio), or other officer authorized, or to be authorized, to administer oaths in such cases: "I do solemnly swear (or affirm), that I will hear and examine all matters of controversy between (naming the parties to the controversy) in the case now submitted for trial; and that I will make a just and equitable award or finding upon the same, according to the evidence, to the best of my understanding. So help me God."

Superintendent to act as clerk.

SEC. 4. The Superintendent, either in person or by deputy, shall act as clerk of the Committees of Arbitration and Appeals.

SEC. 5. All oral evidence in all cases submitted to the Com-

mittee of Arbitration shall be taken and recorded by a competent phonographer, who shall be sworn to faithfully record the same. Phonographic reports to be made.

SEC. 6. The award or finding of a majority of either of the committees present, and trying the case, shall be valid and binding. Awards binding

SEC. 7. Any award or finding of the Committee of Arbitration may be appealed from, and the case carried to the Committee of Appeals for revision; *Provided*, that notice of such appeal shall be given to the Superintendent in writing within three business days after such award or finding shall have been delivered to the parties in controversy. Appeal to Committee of Appeals: how made.

SEC. 8. The Committees of Arbitration and Appeals shall each render their awards or findings in writing, which shall be signed by the members of the committee determining the same, and certified copies thereof shall be furnished by the Superintendent, or his deputy, to the parties in controversy in each case. The official records and decisions of the committees may be inspected by any member of the Association upon application to the Superintendent. Awards to be in writing. Records and decisions open to inspection by members.

SEC. 9. Members desiring the services of either of the committees, shall notify the Superintendent to that effect in writing, and before submitting the case, the parties to such submission shall enter into, and exchange, arbitration bonds,* which shall be conditioned for the faithful performance of the award, and set forth the names of the arbitrators, and the matters submitted to their determination; and that the submission shall be made a rule of any court of record within the State of Ohio, or a rule of any particular court of record named in the submission. The arbitration bonds shall specify a time and place for the hearing, allowing the arbitrators the right to adjourn from time to time, until a conclusion is reached; and a time shall be named in the bonds, within which the award shall be made. But neither of the parties shall cause to be entered such submission and award as a rule of a court in any case that may be appealed to the Committee of Appeals, until after the award or finding of said Committee of Appeals is made. How to obtain the services of the committees. Arbitration bonds: how conditioned, and how drawn. Submission made a rule of court. In cases appealed, award not to be entered as a rule of court until after final finding.

SEC. 10. When any award or finding of the Committee of Arbitration shall be appealed from, the official record of the trial, including all the oral and documentary evidence, with the decision of the Committee of Arbitration, and the dissenting opinion (if any) of the minority of the Committee, shall be handed to the Committee of Appeals, and argument heard thereon by the said Committee, but no new witnesses shall be examined, nor any new testimony of any kind be introduced before the Committee of Appeals. New testimony not allowed in trials before Committee of Appeals.

* NOTE.—In order to comply with the statute, the arbitration bonds must contain the names of all the members of the committee before which the case is to be tried, with the agreement that the case may be tried by the whole committee, or any number (not less than five) of its members.

Powers of Committee of Appeals.

SEC. 11. The Committee of Appeals may confirm, modify, or reverse the awards or findings of the Committee of Arbitration, and its awards or findings shall be final and binding, and shall not be set aside or revised by any other tribunal of the Association.

Tees.

SEC. 12. The fees of each Committee in any case, including phonographic and other costs, shall not be less than ten dollars nor more than one hundred dollars, to be paid as directed by the Committee to the Treasurer, for the use of the Association.

Submission of cases by persons not members.

SEC. 13. Persons not members of the Association, who may have controversies with members, may avail themselves of the services of the Committees of Arbitration and Appeals, on the same terms, conditions and regulations that apply to members; *Provided*, that they furnish a member of the Association as surety on their bond.

Special Arbitration Committees: how appointed.

SEC. 14. The President shall have power to appoint special arbitration committees, to arbitrate cases of controversy between members, when requested so to do; or, with his approval, the parties to any controversy may agree upon such a committee. From the award or finding of a special arbitration committee there shall be no appeal. The members of a special arbitration committee shall take the same oath or affirmation prescribed for members of the Standing Committee of Arbitration; and the parties to any controversy, submitted to a special arbitration committee, shall enter into and exchange arbitration bonds in the manner and form prescribed in Section 9, of this article.

No appeal from award of a Special Committee.

Members must be sworn.

Arbitration bonds.

## ARTICLE VII.

### INSPECTION, ETC.

Appointment of Inspectors, Gaugers, Weighers and other officers.

SECTION 1. The Board of Directors shall, annually, at its regular meeting in the month of February, or thereafter, as occasion may arise, appoint such Inspectors, Gaugers, Weighers, Measurers, and other officers, as it may consider necessary for the purposes of the Association. The term of office of such appointees shall begin on the first of the month next succeeding their appointment, and shall continue until the end of the following February, or until their successors are appointed and assume their duties; but all such appointments shall be revocable at the will of the Board.

Term of appointed officers

Inspectors to give bond.

SEC. 2. Each of said Inspectors, Gaugers, Weighers and Measurers shall give bond to the satisfaction of the Board for the faithful performance of his duty; shall charge and receive from parties requiring his services, such fees as may, from time to time, be, by the Board, adjudged reasonable and proper; and may, with the approval of the Board, appoint such deputies as he may deem necessary. The official certificate of such Inspectors, Gaugers, Weighers and

Fees.

Official certificates.

Measurers shall be conclusive between parties interested, except in cases provided for in Section 4 and Section 5 of this article.

Standing Committees on Inspection, etc.

SEC. 3. The Board of Directors shall, annually, in the month of February, appoint Standing Committees on Inspection, for each interest subject to inspection, which committees shall consist of five members for each, and shall be appointed to serve for the year, beginning on the first day of March following their appointment, and shall also appoint Committees on Quotations in the leading departments of trade, for the daily official record of prices current; *Provided*, that the Board shall have power to remove at pleasure any member of said committees, and to make new appointments thereto, to supply vacancies caused by removal, resignation or death.

Duties of Standing Committees.

SEC. 4. The Standing Committees on Inspection shall have general supervision of the transactions of the Inspectors, Gaugers, Weighers and Measurers, each committee in its proper sphere; they shall act as referees in cases of dispute as to inspection, gauging, weighing and measuring, and shall, as occasion may arise, recommend to the Board such rules and regulations as may seem to them to be required in their several departments, and the Standing Committees on Grain Inspection and Public Weighing shall have the further power to hear and determine all controversies arising between members in grain trade and weighing matters that may be voluntarily submitted to them. *Provided*, however, that either party to the controversy may appeal from the decision of the said committees to the Committee of Arbitration within three days after the decision has been made known to the said parties.

Charges against Inspectors and other officers.

SEC. 5. The appropriate Standing Committee shall have cognizance of charges against any Inspector, Gauger, Weigher or Measurer, or other officer appointed by the Board; and when such charges are formally presented in writing, shall carefully examine into the same, and in its discretion may reprimand the delinquent or assess damages against him for the benefit of the complainant, or recommend his removal from office to the Board of Directors; but in all cases the Inspector, Gauger, Weigher or Measurer, or other officer may appeal to the Board, within three days after the decision of the Standing Committee has been communicated to him, and the Board shall examine into the case, and confirm, modify, or amend the award of the committee, as may seem to be just and requisite.

Standards of inspection.

SEC. 6. The Board of Directors shall, from time to time, with the advice and consent of the respective Standing Committees, prepare and establish standards for the classification of the various articles subject to inspection, and make such rules and regulations for the guidance of their Inspectors, Gaugers, Weighers and Measurers, and other officers as may be required; and the said standards, rules and regulations shall be binding upon all parties concerned.

## ARTICLE VIII.

### SUPERINTENDENT.

Elected annually

The Superintendent shall be elected annually by the Board of Directors, and shall hold his office at the pleasure of the Board.

To have charge of rooms.

He shall have charge of the Exchange and other rooms occupied by the Association, provide them with stationery and other necessary supplies, cause them to be properly heated, lighted, ventilated, cleaned, and kept in good condition, and see that order is preserved therein.

To collect statistics, and prepare and publish annual report.

He shall have charge of all statistical work of the Association, and shall cause to be collected the statistics of the daily movement of the commodities of trade in Cincinnati, and have the same placed in an intelligible and orderly form on the books of the Association. He shall, at the conclusion of each fiscal year prepare a detailed report of the trade and commerce of the city, in its various leading departments, and shall have charge of, and attend to the publication of the same.

Attend meetings of Committees of Arbitration and Appeals. See that phonographic reports of testimony are made

He shall, either in person or by deputy, attend the meetings of the Committees of Arbitration and Appeals, and Special Committees of Arbitration, and keep a record of the awards made thereby; he shall see that phonographic reports of the testimony in cases before the Committees of Arbitration are made, and, when requested, shall cite persons to appear to give testimony in such cases. He shall have charge of such property of the Association as may be committed to his care; and shall, with the advice and consent of the Board of Directors,

Shall appoint assistants.

appoint such assistants as may be necessary to aid him in the performance of his duties; and he shall perform such other duties pertaining to his office, as may be prescribed by the Board of Directors.

## ARTICLE IX.

### CERTIFICATES OF MEMBERSHIP.

SECTION 1. Each active member shall be entitled to receive a certificate of membership, bearing the corporate seal of the Association, and the signatures of the President and Secretary; which certificate, if the membership it represents is not in any way impaired or forfeited, shall be transferable upon the books of the Association to any person eligible to membership who may be elected by the

Transfer fee.

Board of Directors, upon payment of a transfer fee of five dollars, and any unpaid assessments due thereon. The certificate of a deceased member may be transferred in like manner by his legal representatives. *Provided*, that any member who, at the time of the adoption of this Article, is not possessed of a certificate of membership, shall only be entitled to receive one through the transfer of the certificate of a retiring member.

SEC. 2. Upon the transfer of his certificate upon the books of the Association, the membership of the person so transferring his certificate shall cease.

SEC. 3. In case of the loss of any certificate, and of a claim that a new certificate be issued in place thereof, the owner shall make an affidavit stating the fact of such loss; he shall cause an advertisement to be published daily, for ten days, in one of the daily newspapers of Cincinnati, describing the lost certificate, and notifying all persons in interest to show cause why a new certificate should not be issued in place of the lost one; and he shall give such bond as the Board of Directors may require, for the purpose of indemnifying the Association from all damage that it may sustain in consequence of the issuing of a new certificate. Upon compliance with these conditions, the Board of Directors shall cause a certificate to be issued to such claimant, if he shall appear to be entitled to the same, in place of the lost certificate. Loss of certificate

## ARTICLE X.

### ANNUAL ASSESSMENTS.

The annual assessment upon each active membership, for the purpose of defraying the expenses of the Association, shall be twenty-five dollars, and shall be payable, in advance, on the first day of January in every year. Any member who neglects or refuses to pay the same within thirty days after the same is payable, shall be excluded from the rooms of the Association, until payment is made; and any member who fails to pay the assessment within one year from the time when the same is payable, shall be deemed to have relinquished his membership, and the certificate representing such membership shall be forfeited and void, and such person can thereafter be re-admitted only as a new applicant. Payable January 1. Penalty for neglect of payment.

*Provided*, that for the period of four months from September 1, 1901, to December 31, 1901, inclusive, the assessment shall be eight dollars and thirty-three cents, which shall be due on September 1, 1901, and any member who neglects or refuses to pay the same within thirty days after the same is payable shall be excluded from the rooms of the Association until payment is made, and any member who fails to pay such assessment within four months from the time when it is payable shall be deemed to have relinquished his membership, and the certificate representing such membership shall be forfeited and void. For four months ending December 31, 1901

## ARTICLE XI.

### MEETINGS.

SECTION 1. The annual meetings of the Association shall be held on the first Monday following the second Tuesday in January, in each year. Annual meetings.

Special meetings: how called.

SEC. 2. The President may, and upon the written request of a majority of the Board of Directors, or of twenty-five members of the Association, shall call special meetings of the Association; of which except for action on the death of a member, at least twenty-four hours' notice shall be given by the President. Such notice shall state explicitly the object for which the meeting is called, and the transactions at said meeting shall be limited to the business stated in the call. *Provided*, that upon the announcement by the President of a call for a meeting under the foregoing provisions, the business stated in the call may be at once considered and acted upon by the members present, if a motion to that effect be actually put and unanimously carried.

Twenty-four hours' notice to be given.

Business may be at once considered, by unanimous vote.

Quorum.

SEC. 3. At all meetings of the Association fifty active members shall constitute a quorum for the transaction of business, but no action shall be had involving the expenditure of money of the Association unless authorized by or concurred in by a majority vote of the Board of Directors.

No debate or action to be had during session of Exchange, except at annual meeting.

SEC. 4. No debate or action shall be had on any subject during the hours of the Exchange daily session, except on the day of the annual meeting.

Division can only be had upon demand of ten members.

SEC. 5. At any meeting of the Association the vote on any motion or resolution may be decided by the presiding officer by a *viva voce* vote; but on the demand of any ten members a division requiring a count by the Secretary or tellers can be had, but the yeas and nays can not be ordered.

Daily session of Exchange.

SEC. 6. There shall be a daily session of the Exchange during such hours as the Board of Directors may provide (Sundays and legal holidays excepted), but this section shall not prevent adjournment at any time the Chamber may so order.

## ARTICLE XII.

### CONCERNING TRIALS AND CHARGES OF MISCONDUCT.

Charges: how made.

SECTION 1. All charges made against any member of the Association for any default, misconduct, or offense, shall be addressed to the President in writing, and shall state, in ordinary language, the default, misconduct or offense charged; and the same must be signed by one or more members of the Association, or by a business firm, at least one of whose members shall be a member of the Association.

Committee to be appointed for preliminary investigation.

SEC. 2. Upon the receipt of any such charges the President shall appoint a committee of three members of the Board of Directors, whose duty it shall be to examine into the gravamen of the charge, and if thought proper so to do, to endeavor to reconcile the matter in dispute, or to induce the parties interested to submit the same to arbitration. Should the committee fail to effect such reconcilia-

tion, or such agreement to arbitrate, and should it find that the charge is one proper to be brought to trial, it shall report the same, in writing, to the Board of Directors, whereupon the Board, if it shall so determine by vote, shall, at such time as it may designate, proceed to a trial of the accused upon the matters charged.

Board shall try persons charged.

SEC. 3. No member shall be reprimanded, suspended or expelled without a trial by the Board of Directors of the charges made against him, nor without an opportunity to be heard in his own defense. No trial shall take place until after notice shall have been served upon the accused member, accompanied by a copy of the charges against him. Such notice may be served upon the accused personally by the Secretary, or by an employe of the Association, or it may be left at his residence or place of business, or it may be sent by mail to the last known residence of the accused, should he have no residence or place of business in Cincinnati. Such service of notice shall be considered sufficient, and after same the trial may proceed whether the accused is present or not.

Accused entitled to trial before sentence.

How notice shall be served upon accused.

## ARTICLE XIII.

RULES FOR THE MANAGEMENT OF TRIALS AND CASES BEFORE THE BOARD OF DIRECTORS, AND COMMITTEES OF ARBITRATION AND APPEALS.

RULE 1. No trial before the Board or Committees shall be proceeded with in the absence of either party, until after proof of service of notice, by the Secretary or an employe of the Association, personally, or at the place of business of the party, or by mail to his last known residence, if he has no place of business in Cincinnati. Unavoidable absence from the city, sickness, or the absence of material witnesses, shall be considered, at the discretion of the Board or Committees, cause for adjournment of trial.

Trial may be adjourned, in case of absence of either party.

RULE 2. The trial shall be opened by a verbal or written statement of the case by the complainant, and be followed by a verbal or written statement by the respondent. Interruptions of the same shall not be permitted.

Trials: how opened.

RULE 3. All testimony introduced in trials before the Board or Committees shall be under oath; the oath, in cases before either the Committee of Arbitration or the Committee of Appeals, to be administered by a Judge or a Justice of the Peace of the County of Hamilton, State of Ohio, or other officer authorized, or to be authorized, to administer oaths in such cases.

Testimony must be under oath.

Oath: how administered.

RULE 4. All questions as to the relevancy or admissibility of testimony shall be decided by the presiding officer. The party against whom the question of evidence is decided shall have the right of appeal to the Board or Committee trying the case.

As to relevancy of testimony: how decided.

Interrogatories by only one person on each side.

RULE 5. All interrogatories by contestants shall be put by only one person on each side, unless by consent of the Board or Committee.

Order of testimony.

RULE 6. The order of testimony shall be as follows:

I. The evidence for the complainant.

II. The evidence for the respondent.

III. The evidence for the complainant in regard to new matter presented in the evidence for the respondent.

The evidence shall then close, except that it may be reopened in the interest of justice, by vote of the Board or Committee.

Cross-examination of witnesses.

RULE 7. The cross-examination of witnesses need not be confined to matters testified to in the direct examination, but can be extended to any matters necessary to make out the case of the party making the cross-examination.

Re-examination in chief.

RULE 8. The re-examination in chief shall be strictly confined to new matter introduced in the cross-examination.

Witnesses to testify from personal knowledge only.

RULE 9. Witnesses will only be permitted to testify as to facts within their own personal knowledge, and can not be allowed to state information given them by others.

Irrelevant testimony excluded

RULE 10. The testimony must be confined to the matters in controversy, and all irrelevant facts must be excluded.

Impeachment of reputation of witnesses not permitted.

RULE 11. No impeachment of the general reputation of a witness for veracity shall be permitted.

Accounts and papers may be referred.

RULE 12. Whenever books of account require any extended examination, or the papers presented are voluminous, the Board or Committee may refer the matter to one of their number, or to an accountant, for examination and report.

When genuineness of signature is contested.

RULE 13. Whenever the genuineness of the signature of any material paper, presented in evidence, is contested, the Board or Committee shall dismiss the case, unless both litigant parties shall agree to a final decision without reference to the question of the genuineness of the signature.

Proof of agency.

RULE 14. Proof of agency must be established before the admissions of an agent can be received.

When cases may be dismissed.

RULE 15. The Board and the Committees reserve the right to dismiss any case where the conflict in the testimony is such that it may be deemed improper to proceed to give a decision.

Parties not allowed to be represented by an attorney at law.

RULE 16. In trials or investigations before the Board of Directors, the Committees of Arbitration or Appeals, or any other committee of the Association, no party shall be allowed to be represented by an attorney at law.

## ARTICLE XIV.

### NATIONAL BOARD OF TRADE.

Board of Directors to elect delegates.

SECTION 1. This Association having membership in the National Board of Trade, it shall be the duty of the Board of Directors, prior to each annual session of said National Board of Trade, to appoint delegates to the same, in number as prescribed by the rules of that body.

When term of office begins.

SEC. 2. The term of office of delegates to the National Board of Trade shall begin at the opening of its annual session, or at such time as shall be fixed by the said National Board.

Delegates to make reports.

SEC. 3. The delegates to the National Board of Trade shall be constituted a Committee to consider and report to the Chamber upon all subjects submitted by the National Board of Trade to the Chamber of Commerce, as well, also, upon all subjects proposed to be submitted by the Chamber of Commerce to the National Board of Trade.

## ARTICLE XV.

### CLERKS, MESSENGERS AND REPORTERS.

Clerks' tickets, now obtained

SECTION 1. Each firm or business house, one or more of the members of which are members of the Association, upon the approval of the Board of Directors of the person for whom the application is made, shall be entitled to one or more clerks' tickets of admission to the daily Exchange meetings of the Association, on payment of the regular annual assessment of members, for each and every clerk; but the holder of a clerk's ticket must be in the employ of the member applying for the same, and he shall not have the right to transact any business in the Exchange rooms for any other person than the employer, to whom the ticket may have been issued. Any clerk's ticket, and all payments for the same, may be declared forfeited by the Board of Directors, upon satisfactory evidence that the person holding it has abused any of the privileges granted by it, or that he is not a *bona fide* employe of the person upon whose application it was issued.

Causes for forfeiture of ticket

Messengers.

SEC. 2. The Board of Directors shall be authorized, under such restrictions, regulations and limitations as it may deem proper, to grant admission to the Exchange rooms to messengers for members, such messengers not to be allowed to transact any business beyond communicating with their principal, and not to remain longer than is necessary for that purpose.

Reporters.

SEC. 3. Upon the approval of the Board of Directors, reporters of daily newspapers, published in the City of Cincinnati, may be admitted to the Exchange rooms, without charge.

## ARTICLE XVI.

### VISITORS.

Visitors can not transact business.

Visitors may be introduced to the Exchange rooms upon such conditions and for such time as the Board of Directors may determine. No person admitted as a visitor shall be permitted to transact any business in the Exchange rooms.

## ARTICLE XVII.

### PROHIBITED APPROPRIATIONS.

Appropriations: what prohibited.

No appropriation of money shall be made by the Board of Directors, or by the Association, for any other than the strictly legitimate business purposes of the Association.

## ARTICLE XVIII.

### AMENDMENTS.

These By-laws may be amended by a two-thirds vote of the members present and voting at any regular meeting of the Association, or at a special meeting called for the purpose; *Provided*, that the proposed amendments or alterations shall have been approved by a majority vote of the whole Board of Directors, and shall have been posted on the bulletin board for at least ten days prior to the meeting of the Association at which it is proposed to consider them.

## ARTICLE XIX.

Repeal of former constitution.

Exception for present officers

The former Constitution, and all rules and regulations inconsistent with these By-laws, are hereby repealed. *Provided*, that the Board of Officers and all committees and appointees, holding office at the time of the adoption of this article, shall continue in their respective offices and duties, during the term for which they were elected, and until their successors are duly elected and qualified.

# ANNUAL REPORTS

OF THE

## TREASURER, SECRETARY AND SUPERINTENDENT

OF THE

# CINCINNATI CHAMBER OF COMMERCE

AND

# MERCHANTS' EXCHANGE.

# REPORT OF THE TREASURER.

CINCINNATI, January 10, 1906.

H. LEE EARLY, *President*

*Cincinnati Chamber of Commerce and Merchants' Exchange:*

DEAR SIR—I have the honor to submit herewith my report of the Finances of the Chamber of Commerce for the fiscal year ending December 31, 1905.

Very respectfully,

O. G. FETTER,

*Treasurer.*

## STATEMENT OF RECEIPTS AND DISBURSEMENTS.

**For the Year ending December 31, 1905.**

| | | | |
|---|---|---|---|
| January 1, 1905—*Balance December* 31, 1904 | | | $1,974 90 |
| RECEIPTS. | | | |
| Membership Dues | | $2,550 00 | |
| Clerks' Tickets | | 175 00 | |
| Desk Rent | | 291 50 | |
| Transfer Fees | | 260 00 | |
| Interest on Bank Account | | 83 74 | |
| Arbitration Fees | | 40 00 | |
| Sundry Petty Receipts (Sale of Machinery, Scrap Iron, Waste Paper, etc.) | | 101 19 | |
| Rent Account (Rentals from Building) | | 39,881 96 | |
| Bills Payable (Call Loans) | | 6,000 00 | $69,383 39 |
| | | | $71,358 29 |
| DISBURSEMENTS. | | | |
| Salaries | $12,540 00 | | |
| Telegraph Reports | 6,129 28 | | |
| Janitor Service | 2,422 50 | | |
| Annual Report | 854 46 | | |
| Telephone Service | 700 00 | | |
| Expense | 1,053 95 | | |
| Stationery and Printing | 273 64 | | |
| Postage | 196 40 | | |
| Arbitration Fees | 6 00 | | |
| Legal Expenses | 125 00 | | |
| National Board of Trade | 289 05 | | |
| Cincinnati Industrial Bureau | 150 00 | | |
| Ohio State Board of Commerce | 47 50 | | |
| Entertainment, Rivers and Harbors Committee | 250 00 | | |
| Cincinnati Associated Organizations | 100 00 | | |
| Receivers and Shippers Association | 25 00 | | |
| Interest on Call Loans | 547 16 | 25,709 94 | |
| Interest on Chamber of Commerce Bonds ($125,000, 4 per cent.) | | 5,000 00 | |
| Bills Payable (Call Loans of 1904, paid off) | | 10,000 00 | |
| *Amounts forwards* | | $40,709 94 | $71,358 29 |

## STATEMENT OF RECEIPTS AND DISBURSEMENTS—Continued

| | | | |
|---|---|---|---|
| *Amounts brought forward* | | $40,709 94 | $71,358 29 |
| BUILDING EXPENDITURES. | | | |
| Wages | $5,422 95 | | |
| Fuel | 3,640 28 | | |
| Electric Current | 1,456 96 | | |
| Gas | 46 45 | | |
| Water | 732 03 | | |
| Building Supplies | 678 21 | | |
| Building Repairs | 905 44 | | |
| Building Expense | 290 76 | | |
| Building Improvements | 472 50 | | |
| Insurance (Elevators) | 200 00 | | |
| New Electric Light Plant (To Completion) | 7,871 32 | 21,716 90 | |
| Taxes (Real Estate and Chattels) | | 8,520 10 | 70,946 94 |
| *Balance December* 31, 1905 | | | $411 35 |

Respectfully submitted,

Examined and approved:

O. G. FETTER, *Treasurer.*

GEORGE KOEHLER,
A. G. NORMAN,
J. M. SEARS,
} *Finance Committee.*

| | | | |
|---|---|---|---|
| *Chamber of Commerce Bonds* (dated January 1, 1888—payable January 1, 1908—bearing 4 per cent. interest, payable semi-annually), total issue | | | $150,000 00 |
| *Bonds Called and Redeemed* (Nos. 1 to 50 inclusive) | | | 25,000 00 |
| *Balance outstanding December* 31, 1905 | | | $125,000 00 |
| *Bills Payable outstanding December* 31, 1905 | | | 16,000 00 |
| *Total Liabilities December* 31, 1905 | | | $141,000 00 |

*Chamber of Commerce Building, December* 31, 1905:

Total Cost to Completion (Lot, Building and Equipment) ..... $772,674 05

# REPORT OF THE SECRETARY.

CINCINNATI, January 15, 1906.

H. LEE EARLY, *President,*

*Cincinnati Chamber of Commerce and Merchants' Exchange:*

DEAR SIR:—In accordance with a custom which is connected with my official duties, I have the honor to present a brief review or reference to the current actions and affairs of the Chamber of Commerce for the year which has closed with this date. Necessarily in a report of this character covering the period of a year's activities, only matters of a general interest to the membership can appropriately be introduced.

Generally speaking the year which has just closed may be classified as a successful and prosperous year in the affairs of the Chamber, marked by several innovations in the trading departments, which are calculated to improve conditions and to broaden the usefulness and authority of the Chamber, which features will be more fully referred to elsewhere in this report.

The membership of the Chamber of Commerce shows an enrollment on January 1, 1906, of 902 certificate members, 5 non-certificate members, and 7 honorary members, a total of 914. There were 20 certificates of membership forfeited at the close of the year, December 31, 1905, for the non-payment of annual dues.

The financial exhibit of the Chamber for the year 1905 shows a material improvement in conditions over the preceding year. An analysis of the Treasurer's Report for the year ending December 31, 1905, shows aggregate receipts from all sources of revenue, $63,383.39; aggregate disbursements for current operating expenses in all departments, including interest on bonds and taxes, amounting to $53,075.62; a nominal excess of receipts over expenditures of $10,307.77. Compared with the preceding year the Treasurer's Report shows in call loans borrowed, $6,000 in 1905, as against $20,000 in 1904. Of the loans made in 1904, $10,000 of the amount were paid off during the year 1905, leaving a total of $16,000 outstanding at the close of the fiscal year December 31, 1905, which it is fair to assume will be largely reduced out of the revenues for 1906. The Treasurer's Report further shows an outstanding bonded debt of $125,000, which is due and payable January 1, 1908. An extraordinary expenditure in the Building Department for 1905 was that of $7,871.32 for the completion of contracts for the equipment of the new electric light plant commenced in 1904. This expenditure together with payments made in 1904 of $1,274.90, brings the total cost of the new plant as an entirety to $9,146.22, a figure which materially exceeds the

original estimate. Under the operation of the new plant, which began February 1, 1905, there has been a great improvement in the service of this department, as well as an economy in its management. The expenditures for electric current which we had secured from the Cincinnati Gas & Electric Co. under contract during the period of repairs in the engine room and construction of the new plant, aggregated $7,874.12, an amount largely approaching the cost of the completed plant. From all standpoints the new plant is regarded satisfactory and up to expectations, and has proven itself a good investment.

The Chamber has maintained an identity as constituent member of local organizations: Cincinnati Industrial Bureau, Receivers and Shippers Association, Business Men's Benevolent Advisory Association, as well as the newly formed Cincinnati Associated Organizations. The Chamber also continued its membership in the National Board of Trade and the Ohio State Board of Commerce, and was represented by delegates to the annual meeting of the former in Washington, January 17, 1905; to the Lake Mohonk Conference on International Arbitration, May 31, 1905; Grain Dealers National Association, Niagara Falls, June 2 and 3, 1905; National Hay Convention, Toledo, Ohio, July 18 to 20, 1905; Reciprocity Convention, Chicago, August 16 and 17, 1905; International Congress of Chambers of Commerce, Liege, Belgium, September, 1905; Good Roads Convention, Cincinnati, September 25 and 26, 1905; Inter-State Commerce Law Convention, Chicago, October 26 and 27, 1905; Ohio Valley Improvement Association, Cairo, Ill., November 15 to 17, 1905.

In the way of local activities, the Chamber participated with other bodies in the movement for the entertainment of the Rivers and Harbors Committee of Congress on its visit to Cincinnati in May, 1905, also the plan of securing from the postal authorities the establishment of a pneumatic mail tube service in Cincinnati; and the movement to secure governmental construction of ice piers at Cincinnati to afford protection to craft on the Ohio River against damage by flowing ice, was inaugurated and committee appointed in September, 1905.

Another question of local importance upon which the Board of Directors was called to take action was that of a protest of merchants and others doing business on the Public Landing and in the bottoms, against the proposed plan for the elevated tracks of the L. & N. R. R. about to be constructed across the Public Landing, which it was claimed would be a serious obstruction of traffic, especially at the street intersections of Broadway, Sycamore, Main and Walnut streets. The subject was referred to a committee which was divided in its conclusions, a majority report, which, while not unqualifiedly approving of the general plans for the work, yet in view of differences of opinion and the fact that the work was well under way, concluded that it would be best to make no change in original plans, except as to the crossing at foot of Walnut street, where they recommend the space between the piers be made the full width of the street between the curbs; and a minority report wholly opposing the construction of the viaduct as planned, on the ground that the spaces allowed between piers (23 feet 9 inches), and a clearance under the structure of only 12 feet, would be inadequate and a serious interference with hauling to and from the Public Landing. Naturally the railroad company was opposed to any radical change in the plans which had

been formally approved by the city authorities, and the construction of which had been contracted for and under way. The outcome of the protest was the adoption of a resolution by the Board of Directors, September 15, 1905, not disapproving of the plans so far as the street passage-ways at the foot of Broadway, Sycamore and Main were concerned, which were considered ample for general traffic, but suggesting and recommending a change in the plan for the passage-way at Walnut street, where, according to the plans, it was proposed to erect a supporting pier in the middle of that thoroughfare, which it was thought should be avoided if possible.

The revision of the Grain Trade Rules which had been undertaken and practically completed by the preceding Board of Directors, were taken up by this Board early in the year. The rules as finally revised and perfected were passed by the Board of Directors at a meeting on February 7, 1905, the rules to go into force and effect March 1, 1905.

Section 8 of Rule 3 of the new Grain Rules was amended December 5, 1905, to provide that the charge for inspecting grain out of elevator shall be 25 cents per car, instead of 40 cents as heretofore.

The question of amending the By-laws of the Chamber to provide for changes in the annual elections of officers and members of the Board of Directors, was one which was considered by the Board. The general plan, which was approved by the Campaign Committees of the previous election, contemplated a complete change in the method of electing the officers of the Chamber, whereby the annual election should be for a Board composed of 15 members, who would subsequently select from their number a President, two Vice-Presidents, Treasurer and Secretary. Amendments on this line were approved by the Board of Directors, and were submitted to the Association to be voted upon at a special election held October 24, 1905. There was not a great interest shown in these proposed amendments which were regarded by many as radical, the election resulting in the defeat of the amendments by a vote of 132 "Yes" and 70 "No," the affirmative vote lacking the necessary two-thirds of all the votes cast.

One of the most radical and important changes in the rules of the Exchange, which have been undertaken or inaugurated in many years, was the complete change which has been made in the system of weighing in this market, and the establishment of the Chamber of Commerce Weighing Bureau. The question of a reliable and satisfactory weighing method in Cincinnati has for many years been one of discussion and comment, as well as criticism in grain trade circles. Previous attempts in past years to remedy conditions had met with sufficient opposition and difficulties to defeat them. Early in this year an inquiry was established by the Board of Directors through a committee composed of Messrs. O. G. Fetter, B. W. Gale, H. H. Hill and F. F. Collins, appointed to study the conditions of the weighing system, to suggest changes in the rules with a view of correcting existing evils, if any, and to establish our weighing methods upon plans of uniformity, accuracy and stability. As a result of a careful and prolonged inquiry into the subject continuing for nine months, this Special Committee submitted a report of its deliberations and conclusions at a meeting of the Board of Directors October 26, 1905. Briefly expressed, the report of the Special

Committee recommends the creation of a Weighing Bureau under the auspices and management of the Chamber of Commerce, and the adoption of a plan of weighing involving radical departures from existing methods.

The committee's report with recommendations was adopted, and the Weighing Bureau was established by the Board of Directors December 11, 1905, to go into operation and effect as soon as details could be arranged and suitable rules prepared for its management. These were perfected and the new Weighing Bureau went into operation January 16, 1906. Mr. William McCallister was appointed to have charge of its management under the title of Chief Weigher.

Another new departure in the trading section of our Exchange, that of the Flour Inspection Department, heretofore in a measure independent of the Chamber, except as to rules for its guidance, was taken over to be operated under the auspices and management of the Chamber of Commerce. This new department was established and went into effect and operation January 1, 1906, with Mr. George F. Munson in charge as Flour Inspector, succeeding Mr. Monroe Izor, former Inspector who resigned. The financial plan of this new department contemplates the payment of inspection fees into the Treasury of the Chamber, and the remuneration of the Inspector by a fixed salary instead of by fees as formerly. It was thought that the revenues from this department would be sufficient to at least equal if not exceed its expenses under the new conditions. The new rules governing the flour trade and inspection department are published elsewhere in the Annual Report.

Among the resolutions adopted by the Board of Directors may be mentioned the following:

July 11, 1905.—Resolutions adopted deprecating the proposed increase of tariff imposed by foreign countries on American agricultural products, and appealing to the Department of State to use its influence to secure defeat of these measures, and the establishment of reciprocal relations with such foreign countries.

August 3, 1905.—Resolutions adopted opposing a plan proposed by the New York Produce Exchange to secure from the government a public announcement of the monthly crop reports of the Department of Agriculture at an earlier hour (12 o'clock noon), instead of 4 P. M. as formerly.

December 5, 1905.—Resolutions adopted relating to the improvement of navigable water-ways, and approving the objects of the National Rivers and Harbors Congress to be held at Washington in January, 1906.

December 5, 1905.—Resolutions adopted advocating the retention of Mr. A. H. McLeod in the Freight Department of the Cincinnati, Hamilton & Dayton Railroad Company under the new management.

December 5, 1905.—Resolutions adopted relating to Inter-State Commerce Legislation.

In the exercise of its vested authority, the Board of Directors at a meeting held January 2, 1906, conferred upon Mr. Charles B. Murray, by unanimous vote of all members of the Board, an Honorary Life Membership in the Chamber of Commerce. Mr. Murray, the Superintendent and Statistician of our Exchange since November 1, 1891, is too well known to our membership and to our community to need an extended reference. Suffice it to say that Mr. Murray's long and con-

spicuous identity with the Chamber of Commerce as an active member and as an able and conscientious official, his zeal and efforts towards promoting the usefulness and directing the influences of our Association for the accomplishment of good, his eminence as statistical authority upon crop reports and estimates, which have international recognition, all eminently justifies the distinction of which the Board of Directors have made him the recipient.

Following is a brief review of the actions of the Association in general session, omitting the obituary reports which are elsewhere published in the Annual Report:

April 19, 1905.—Resolutions adopted favoring the idea of the creation of a corps of high class commercial attaches in the principal industrial centers, intended to assist in promoting export trade and the establishment of friendly commercial relations with foreign countries.

May 4, 1905.—Resolutions adopted favoring legislation for extension of powers of the Inter-State Commerce Commission, and requesting Senator Foraker to use his influence in securing such legislation.

May 11, 1905.—Action was taken and resolutions adopted protesting against the passage of ordinance pending in the City Council providing for an extension of the present franchise of the C., L. & N. R. R., under which valuable privileges were to be granted by the city without adequate remuneration or concessions by the railroad. A committee of twenty-five members was appointed to attend a meeting of the Council Committee, and also a Special Committee to consider the ordinance and report:

May 25, 1905.—The Special Committee on proposed franchise to C., L. & N. R. R. reported that in conference with other committees and officials, a form of amended ordinance had been prepared with a view of eliminating where possible grade crossings at certain points within the city limits, and the making of other specified betterments. The ordinance was framed also to properly safe-guard the city's interests in other respects. The report of the committee and amended ordinance was unanimously adopted.

August 7, 1905.—Resolutions adopted approving of the holding of an Inter-State Commerce Law Convention, suggesting that it be held at Cincinnati.

August 30, 1905.—Action was this day taken by the Association in favorable recognition of the consummation of a treaty of peace between the governments of Russia and Japan, which had been happily brought about by the intervention of President Roosevelt.

September 25, 1905.—The officers and promoters of the National Good Roads Association, holding convention in this city, were visitors on 'Change this day. Resolutions commendatory of the objects of the Good Roads Convention were adopted.

The Chamber of Commerce lost by death during the year ending December 31, 1905, the following members:

William N. Tallant, Gottlieb Muhlhauser, Henry Heile, G. H. Vonderahe, Ferdinand Jelke, Julius Pfleger, John N. Wooliscroft, Charles M. Brower, A. E. Armstrong, W. C. Jutte, Dennis F. Walsh, Grove J. Penney, Robert J. Smith, Val P. Collins, Samuel Born, John L. Hite, Albert Levy, John Byrne, Thomas G. Smith, Jr., Levin Belt Perin and Julius Freiberg.

Respectfully submitted,

J. B. CLANCEY, *Secretary.*

# Report of the Superintendent

Cincinnati Chamber of Commerce,
May, 1906.

The President and Board of Directors:

Gentlemen:—As in years past, and in accordance with the provisions of the By-laws, the Superintendent has prepared a statement relating to the trade and commerce of the locality, with as much of fullness and detail as seems consistent with available information and appropriate to be presented in such connection, covering the past calendar year, with comparisons for previous years, which statement is herewith presented.

This is the Fifty-seventh Annual Report of the Cincinnati Chamber of Commerce, and the fifteenth prepared by myself. Under the abridgment in the report ordered in 1904 the extent of statistical exhibits is not equal to some earlier years, but the present form is regarded as sufficiently full to serve all needful purposes of the work. In the matter of records of freight movement, into and from the city, there is necessarily more or less margin of incompleteness and lack of accuracy, but the work of collecting and collating the information under diligence and carefulness of effort and method represents results which in their value as comparisons are deemed worthy, and as furnishing the best attainable indication in such matters.

It may be repeated here that the Chamber of Commerce in its work of securing and making available the evidences of traffic and industry for this locality is not governed by the limitations of the city corporation lines. All that legitimately belongs to this centralization of industrial affairs is taken into the account of local operations. Attention has been given in recent years to the manufacturing interests of the locality, and while the returns are not as near completeness as might be desired they have been of sufficient extent to afford a good basis for general conclusions. A large proportion of the more important establishments have furnished information asked for. An interesting feature of such investigation has been the ability to ascertain and to state with a degree of much fullness what our factories are furnishing and can furnish for exportation to foreign countries.

Copies of this report are available to members of the Association, and will be furnished to others desirous of being possessed of the information which it presents, upon application.

Respectfully,

CHARLES B. MURRAY,
*Superintendent and Executive Secretary.*

# THE COMMERCE AND INDUSTRY OF CINCINNATI.

The year 1905 was one of general prosperity in the various lines of industry and interest in Cincinnati, within and adjacent to the corporate limits of the city. Labor was well employed and well paid, and the manifestations of discontent or dissatisfaction with existing relations with the employing interest, and interferences with operations of employers, were within comparatively narrow limits. Demand for products of factories and of jobbing establishments was good, upon a basis affording a substantial margin of return for investment and direction of affairs in the conduct of business operations. Building improvements by erection of new structures and betterment of others, were in keeping with the advancing pace in these matters previously manifested, keeping our city well in line with the progress of the times. The receipts and distribution of commodities were decidedly enlarged. The railway transportation interests made important progress in the work of improving terminal facilities, under the increasing requirements. The river transportation interests were favored by a navigable stage of water during a period of the year rarely equaled in length, which had its rewards in this line.

In making some specific comparisons for the year it may be remarked that while the Bank Clearings for 1905, amounting to the large aggregate of $1,204,500,000, reflect an exhibit a little short of the figures for the preceding year, due to bank consolidations by which exchanges between banks were lessened, the total represents an increase of 50 per cent in a comparison with the year 1900, and the total does not imply a decline in volume of business thus represented when compared with the preceding year.

Receipts of grain for the year gained 12 per cent over the high record of the preceding year, and 35 per cent over the annual average of five years prior to 1905.

Flour receipts were somewhat reduced, while the local manufacture was enlarged.

Live stock receipts were $7\frac{3}{8}$ per cent larger than for the preceding year, and $17\frac{3}{8}$ per cent larger than for the annual average for five years.

Hog slaughtering was but moderately in excess of 1904, and 11 per cent over the annual average for five years.

Hay receipts were 19 per cent larger than for the preceding year, and 9 per cent in excess of the annual average for five years.

Grass seeds represented total receipts about the same as for the preceding year, there being some decrease in clover and timothy, and an increase in other seeds.

Butter receipts were somewhat enlarged, but the record is short of some earlier years. Cheese receipts were considerably increased. Eggs were in greater supply, showing over 11 per cent increase.

Apples were in smaller supply than in several previous years, under the deficiency in such fruit.

Potatoes were in considerably reduced supply, incident to shortage in production.

Groceries indicate a gain of about 4½ per cent in value of the year's sales, and an increase of 15 per cent over the annual average for five years.

Dry Goods transactions in the aggregate indicate a moderate gain in value for the year, and 18 per cent over the exhibit for 1900.

Shoe manufacturing appears to have increased over 5 per cent in value.

Clothing manufacture was moderately increased, and indicates a gain of 17 per cent over 1900 in value.

Pig iron sales by local concerns were notably large, but do not indicate an increase as to tonnage.

Coal receipts largely surpassed any previous record, gaining 35 per cent over the high exhibit for the preceding year, the greater gain being in river arrivals, under the long period of navigable stage of the river during the year. There was an important increase in arrivals by railroads.

Distilled spirits were reduced in production in comparison with the preceding year, and the annual average for five years.

Malt liquors were produced in excess of any previous year, gaining about 11 per cent over 1904, and 20 per cent over the annual average for five years.

Leaf tobacco sales at the warehouses were double in quantity reflected by the low record of the preceding year, but were largely short of some earlier years.

Lumber receipts were increased 12 per cent, and represented the highest record with one exception.

Soap production was increased to the extent of more than 10 per cent, this product being one of especial importance here.

Vehicles are very largely produced here, and the value of the output of local factories increased about 10 per cent.

The aggregate value of the output of large and small factories of Cincinnati and the immediate vicinity is estimated at approximately $330,000,000. Most of the important lines of such industry made good gains the past year, but there were exceptions, and in some instances a falling behind. The estimate for the preceding year was $320,000,000.

Population figures for Cincinnati and the belongings of the city adjacent to the limits of corporation lines indicate a total in excess of 550,000.

General totals in some of the prominent lines and interests represented by the business and industrial activities at Cincinnati are indicated in the following, for the year 1905: Value of shoes locally manufactured, $18,000,000; of clothing manufactured, $20,000,000; of soap manufactured, $20,000,000; of furniture and office equipments manufactured, $9,000,000; of machinery, machine tools, etc., manufactured, $17,000,000. Value of meats and kindred products manufactured, $16,000,000. Coal receipts, 160,000,000 bushels. Grain receipts, exclusive of transit movement, 20,333,000 bushels. Pig iron sales by local houses and branches, 1,743,000 tons. Beer produced, 1,665,000 barrels, or 51,600,000 gallons. Spirits distilled, 8,177,000 gallons. Soap made, 300,000,000 pounds. Railroad freights, in and out, 22,000,000 tons.

A detailed exhibit is herewith presented in comprehensive form, representing annual average prices of standard grades of the products mentioned, in this market, according to records of the Chamber of Commerce, for the past eleven years:

| ARTICLES. | 1905 | 1904 | 1903 | 1902 | 1901 | 1900 | 1899 | 1898 | 1897 | 1896 | 1895 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Flour, spring family | 4.20 | 4.40 | 3.50 | 3.05 | 2.99 | 3.11 | 3.03 | 3.90 | 3.72 | 2.89 | 2.79 |
| Flour, winter family | 3.85 | 4.15 | 3.15 | 3.00 | 2.64 | 2.96 | 2.55 | 3.43 | 3.55 | 2.90 | 2.72 |
| Wheat | 99 | 1.08 | 81 | 80 | 77 | 75 | 72 | 86 | 89 | 72 | 66 |
| Corn | 52 | 51 | 47 | 61 | 52 | 41 | 36 | 34 | 26 | 27 | 41 |
| Oats | 32 | 38 | 37 | 41 | 34 | 25 | 27 | 27 | 21 | 20 | 27 |
| Mess Pork | 13.60 | 12.80 | 15.15 | 17.25 | 14.99 | 11.86 | 9.13 | 9.73 | 8.34 | 8 04 | 10.65 |
| Hams, sugar-cured | 11.60 | 12.05 | 13.40 | 12.05 | 11.07 | 11.04 | 9.75 | 8.73 | 9.91 | 10.29 | 9.96 |
| D. S. Short Rib Sides | 7.25 | 7.10 | 8.60 | 9.80 | 8.07 | 6.89 | 5.01 | 5.37 | 4.76 | 4.19 | 5.62 |
| Lard | 6.95 | 6.65 | 8.10 | 9.90 | 8.38 | 6.51 | 5.04 | 5.06 | 4.02 | 4.29 | 6.24 |
| Butter, creamery | 23 95 | 20.70 | 20.95 | 21.83 | 19.36 | 19.90 | 18.60 | 16.46 | 15.45 | 14.50 | 17.13 |
| Butter, dairy | 15.85 | 11.40 | 13.65 | 15.52 | 11.97 | 13.99 | 12.56 | 11.03 | 9.65 | 8.60 | 10.54 |
| Cheese, factory | 12 60 | 9 40 | 11.40 | 11.60 | 10.28 | 10.98 | 10.66 | 8.68 | 9.05 | 8.85 | 9.00 |
| Eggs | 10.50 | 19.60 | 17.80 | 18.00 | 14.98 | 13.43 | 13.55 | 12.14 | 10.79 | 10.75 | 13.79 |
| Sugar, hards | 6.20 | 5 80 | 5.53 | 5.22 | 5.82 | 6.15 | 5.57 | 5.74 | 5.29 | 4.73 | 5.03 |
| Molasses, New Orleans | 30.50 | 32.66 | 32.62 | 33.46 | 34.25 | 38.46 | 32.00 | 31.82 | 26.13 | 31.86 | 28.97 |
| Rice, Louisiana | 5.75 | 6.10 | 6.30 | 5.86 | 5.86 | 5.75 | 5.97 | 6.03 | 5.24 | 4.12 | 4.31 |
| Coffee, Rio | 10.25 | 9.60 | 7.65 | 8.30 | 8.82 | 10.75 | 9.67 | 9.74 | 15.02 | 18.59 | 20.52 |
| Dried Peaches | 9.75 | 7.85 | 7.00 | 8.36 | 8.18 | 8.85 | 10.22 | 8.05 | 7.13 | 6.25 | 7.40 |
| Dried Apples | 4.50 | 4.45 | 4.50 | 4.20 | 3.31 | 3.44 | 4.81 | 4 31 | 2.64 | 2.25 | 4.52 |
| Green Apples | 3.05 | 2.30 | 2.40 | 2.90 | 2.73 | 2.54 | 2.59 | 2.76 | 1.97 | 1.80 | 2.02 |
| Potatoes | 45 | 78 | 59 | 62 | 62 | 43 | 49 | 57 | 48 | 28 | 49 |
| Beans | 1.80 | 2.05 | 2.25 | 2.45 | 2.60 | 2.31 | 1.35 | 1.21 | 93 | 1.10 | 1.85 |
| Cattle | 3 45 | 3.40 | 3.50 | 4.10 | 3.78 | 4.00 | 3.85 | 3.70 | 3.54 | 3.40 | 3.85 |
| Sheep | 4.45 | 3.70 | 3.80 | 3.80 | 3.34 | 3.72 | 3.77 | 3.87 | 3.78 | 3.15 | 3.30 |
| Hogs | 5.35 | 5.25 | 6.05 | 6.80 | 5.95 | 5.10 | 4.05 | 3.84 | 3.32 | 3.50 | 4.35 |
| Leather | 30.15 | 30.10 | 28.10 | 30.50 | 30.14 | 29.11 | 27.27 | 25.96 | 25.92 | 23.96 | 26.60 |
| Hides | 10.50 | 8.25 | 7.00 | 7.70 | 7.63 | 7.99 | 8.57 | 8.71 | 7.73 | 5.52 | 6.02 |
| Wool | 36.75 | 30.00 | 25.50 | 23.50 | 23.35 | 25.64 | 21.85 | 24.95 | 24.45 | 17.81 | 18.53 |
| Cotton | 9.00 | 11.60 | 10.95 | 8.65 | 8.38 | 9.38 | 6.30 | 5.69 | 6.96 | 7.57 | 7.04 |
| Leaf Tobacco | 9.25 | 10.05 | 8.35 | 8.10 | 7.90 | 8.52 | 7.95 | 9.10 | 8.05 | 6.95 | 9.40 |
| Pig Iron | 17.00 | 14 50 | 19.00 | 21.50 | 15.00 | 18.50 | 18.00 | 11.50 | 11.50 | 12.50 | 12.85 |
| Coal, delivered | 12.05 | 11.50 | 13.18 | 11.75 | 10.50 | 10.91 | 9.50 | 8.05 | 8.10 | 8.40 | 9.00 |
| Lead | 6.65 | 4.50 | 6.45 | 4.10 | 4.07 | 4.20 | 4.46 | 3.77 | 3.55 | 2.81 | 3.12 |
| Nails | 1.90 | 1.92 | 2.30 | 2.50 | 2.30 | 2.54 | 2.04 | 1.48 | 1.69 | 2.38 | 1.63 |
| Illuminating Oil | 9.60 | 10.70 | 10.85 | 8.23 | 8.23 | 9.02 | 7.87 | 6 86 | 6.75 | 7.30 | 7.87 |
| Lard Oil | 58 | 61 | 73 | 78 | 65 | 54 | 43 | 45 | 38 | 46 | 55 |
| Linseed Oil | 44 | 41 | 41 | 59 | 63 | 63 | 44 | 39 | 32 | 35 | 51 |
| Candles | 9.00 | 9.23 | 9.36 | 9.50 | 9.52 | 8.17 | 6.98 | 6.72 | 6.57 | 7.44 | 8.04 |
| Turpentine | 66.25 | 60.50 | 59.15 | 49.84 | 38.24 | 49.48 | 48.69 | 34.61 | 29.32 | 29.35 | 32.30 |
| Hay | 12.10 | 13.00 | 15.40 | 13.35 | 13.60 | 13.95 | 10.10 | 8.67 | 9.80 | 12.20 | 12.70 |

NOTE.—Flour, Pork and Green Apples, dollars per barrel; Wheat, Corn, Oats, Potatoes, Beans and Coal, cents per bushel; Hams, Sides, Lard, Butter, Cheese, Sugar, Rice, Coffee, Dried Peaches, Dried Apples, Leather, Hides, Wool, Cotton, Tobacco, Lead and Candles, cents per pound; Cattle, Sheep and Hogs, dollars per 100 pounds; Molasses, Oils and Turpentine, cents per gallon; Pig Iron and Hay, dollars per ton; Eggs, cents per dozen; Nails, dollars per keg. Prices of Leaf Tobacco and some other articles represent the general average.

## GRAIN.

The aggregate receipts of Grain at Cincinnati in 1905 for local business gained 12 per cent over the high record of the preceding year. Exclusive of arrivals of Grain moving in transit, the total receipts for the year were 20,333,000 bushels, compared with 18,097,000 for 1904, and an annual average of 15,050,000 for five years prior to 1905. Compared with this annual average the past year shows a gain of 35 per cent. The total shipments of Grain for the past year other than of transit movement represented 12,134,000 bushels, compared with 10,081,000 for the preceding year, and an annual average of 7,093,000 for five years prior to 1905. The transit movement in 1905 represented 9,770,000 bushels of Grain, compared with 4,550,000 in 1904, and 5,150,000 in 1903.

The following compilation shows the aggregate annual receipts of Grain at Cincinnati for six years, including transit movement, representing bushels:

| KINDS. | 1905 | 1904 | 1903 | 1902 | 1901 | 1900 |
|---|---|---|---|---|---|---|
| Wheat | 3,195,191 | 2,124,447 | 2,830,463 | 4,988,822 | 4,111,548 | 2,961,211 |
| Corn | 11,326,222 | 12,818,217 | 10,453,465 | 7,820,048 | 11,783,145 | 14,605,973 |
| Oats | 13,473,767 | 6,034,074 | 5,890,504 | 5,883,009 | 9,260,765 | 7,392,957 |
| Rye | 623,758 | 601,923 | 520,695 | 523,024 | 612,206 | 442,215 |
| Barley | 1,484,779 | 1,038,936 | 886,755 | 817,909 | 1,094,427 | 1,173,742 |
| Total | 30,103,717 | 22,647,597 | 20,581,882 | 20,032,812 | 26,862,091 | 26,576,098 |

Prices of No. 2 Red Wheat in this market in 1905 ranged at 82@124½ cents per bushel, averaging 99 cents, against 108 cents for 1904, and an annual average of 84 cents for five years prior to 1905. This market consumes locally a moderate amount of Wheat, the mills in the city and near by taking about 1,700,000 bushels during the year, of which about 980,000 represents mill arrivals not appearing in the local receipts.

Prices of No. 2 Corn ranged at 44½@59½ cents per bushel, averaging 52 cents, against 51 cents for 1904, and an annual average of 50 cents for five years prior to 1905.

Prices of No. 2 Oats ranged at 25@35½ cents per bushel, averaging 32 cents, against 38 cents for 1904, and an annual average of 35 cents for five years.

Prices of No. 2 Rye ranged at 56@87 cents per bushel, averaging 75 cents, against 77 cents for 1904, and an annual average of 62 cents for five years.

Extra No. 3 Spring Barley quotations ranged at about 52@58 cents per bushel for the period of trade in this grain until the new crop began to move, the prices of which ranged at about 54@58 cents, September to the close of the year. The average price for the year was 55 cents, compared with 62 cents for 1904, and an annual average of 61 cents for five years prior to 1905.

The Grain crops of the United States in 1905 as estimated by the Department of Agriculture were as follows, in bushels: Wheat, 692,979,000; Corn, 2,707,993,000; Oats, 953,216,000; Barley, 136,651,000; Rye, 27,616,000; Buckwheat, 14,585,000—total, 4,533,040,000 bushels, a quantity not previously equaled, the annual average for five years prior to 1905 being 3,799,000,000 bushels, the past year exceeding the annual average more than 19 per cent.

The Wheat crop of the world is estimated as follows, in bushels: 1905, 3,338,000,000; 1904, 3,164,000,000; 1903, 3,230,000,000; 1902, 3,148,000,000; 1901, 2,945,000,000—annual average for the five years, 3,165,000,000 bushels.

Statistical details appear on other pages.

## FLOUR

Flour receipts were somewhat reduced the past year, reflecting a smaller total than for a number of years. The records indicate a total of 1,407,167 barrels, compared with 1,524,725 for 1904, and an annual average of 2,216,000 for five years prior to 1905. Shipments the past year were 903,615 barrels, compared with 1,038,986 for 1904, and an annual average of 1,752,000 for five years prior to 1905. The indicated local consumption of flour the past year was about 650,000 barrels.

There was some revival in the manufacture of Flour locally the past year, as compared with the reduced operations of the preceding year. The reported total manufacture was 381,935 barrels—which includes some mills outside of city corporation limits. For 1904 the total was 252,615; for 1903, 431,067; for 1902, 416,300 barrels.

Stocks of Flour held by receivers and large dealers on January 1, 1906, were 63,024 barrels, compared with 47,522 at corresponding date in 1905, and an annual average of 47,200 for five years prior to 1906, for January 1.

Winter Family Flour at the opening of the year was quoted at $4.25@4.60 per barrel, advancing to $4.35@4.70, from which there was a shaping to lower figures in March, which tendency continued until September, when the range was as low as $3.10@3.40, followed by a recovery to $3.35@3.60, which was the position in December. The general average for this grade of Flour for the year was $3.85 per barrel, compared with $4.15 for 1904, and an annual average of $3.20 for five years prior to 1905.

Spring Family Flour was quoted at $4.70@4.90 and $4.80@5.00 per barrel early in the year, receding to $4.15@4.35 in April, and later to $3.75@4.15, with changes still later, and $3.70@3.90 the position in December. The average for the year for this grade was $4.20, compared with $4.40 for 1904, and an annual average of $3.40 for five years prior to 1905.

Statistical details appear on other pages.

## MILL FEED PRODUCTS.

The receipts of Mill Feed Products are variable, being influenced by changeable conditions from year to year affecting the requirements for such products. For 1905 there was an increase in receipts in comparison with two years next previously, but they were not up to some earlier records. Total receipts in 1905 were 50,616 tons, compared with 43,041 for 1904, and an annual average of 53,400 for five years prior to 1905. Shipments were 42,271 tons, compared with 39,288 for 1904.

Prices were reduced, and averaged lower than for several years. In January, Bran was quoted at $17.50@18.50 per ton; Coarse Middlings, $19.00@19.50; Fine Middlings, $20.00@21.00; Mixed Feed, $18.00@19.50. At the close of the year

the position was as follows: Bran, $15.25@16.00; Coarse Middlings, $16.50@17.00; Fine Middlings, $17.50@18.00; Mixed Feed, $16.00@16.50. Averages for the year were: Bran, $15.95; Coarse Middlings, $17.00; Fine Middlings, $18.20, against $18.65 for Bran, $19.60 for Coarse Middlings, and $21.20 for Fine Middlings for 1904.

## LIVE STOCK.

The aggregate receipts of Live Stock in this market in 1905 was 1,880,845 animals, compared with 1,751,954 for 1904, and an annual average of 1,601,000 for five years prior to 1905. The number for the past year represented an increase of 7⅜ per cent over the preceding year, and an increase of 17⅜ per cent over the annual average for five years.

Receipts of Hogs were 1,063,144; shipments 403,742, against 986,858 received, and 333,207 shipped in 1904. The highest price realized during the year was $6.40 per 100 pounds, in August. The highest monthly average for good packing grades was also for August, $6.15, and the lowest monthly average $4.75, for January. The general average for the year of packing grades was $5.35 per 100 pounds, compared with $5.25 for 1904; $6.05 for 1903; $6.80 for 1902; $5.90 for 1901; $5.10 for 1900. For the past five years the general annual average is $5.85, compared with $3.95 for the preceding period of five years.

The course of prices of Hogs at Cincinnati is indicated in the following compilation, showing the highest points reached monthly, and the average prices of good packing grades, per 100 pounds, for five years:

| MONTHS. | Top Prices. | | | | | Average Prices. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1905 | 1904 | 1903 | 1902 | 1901 | 1905 | 1904 | 1903 | 1902 | 1901 |
| January | $4 95 | $5 30 | $7 00 | $6 60 | $5 40 | $4 75 | $5 05 | $6 55 | $6 20 | $5 20 |
| February | 5 40 | 5 90 | 7 35 | 6 50 | 5 75 | 5 10 | 5 35 | 7 00 | 6 30 | 5 40 |
| March | 5 70 | 6 00 | 7 80 | 7 00 | 6 15 | 5 30 | 5 65 | 7 40 | 6 50 | 5 80 |
| April | 5 80 | 5 55 | 7 50 | 7 35 | 6 30 | 5 55 | 5 20 | 7 15 | 7 00 | 5 95 |
| May | 5 65 | 5 05 | 7 00 | 7 35 | 6 00 | 5 45 | 4 85 | 6 25 | 6 90 | 5 70 |
| June | 5 60 | 5 60 | 6 30 | 7 85 | 6 25 | 5 35 | 5 10 | 5 95 | 7 10 | 5 90 |
| July | 6 20 | 6 00 | 6 15 | 8 00 | 6 25 | 5 85 | 5 60 | 5 55 | 7 65 | 6 00 |
| August | 6 40 | 5 90 | 6 20 | 7 90 | 6 65 | 6 15 | 5 50 | 5 65 | 7 15 | 6 00 |
| September | 6 30 | 6 25 | 6 40 | 7 90 | 7 25 | 5 65 | 5 90 | 6 15 | 7 40 | 6 90 |
| October | 5 75 | 5 60 | 6 25 | 7 75 | 7 10 | 5 35 | 5 50 | 5 70 | 6 95 | 6 20 |
| November | 5 20 | 5 25 | 5 37 | 6 70 | 6 15 | 4 95 | 4 85 | 4 85 | 6 25 | 5 60 |
| December | 5 50 | 4 95 | 5 00 | 6 65 | 6 65 | 5 05 | 4 55 | 4 60 | 6 30 | 6 00 |

Receipts of Cattle for 1905 were 307,776, shipments 127,468, against 260,778 received, and 96,594 shipped in 1904. Prices had a general tendency upward until and including April, and later gradually receded, losing all that was gained in the early months, the year ending with some recovery. The year's general average for fair to good butcher grades of stock was $3.45 per 100 pounds, compared with $3.40 for 1904, and $3.75 as the annual average for five years prior to 1905.

Receipts of Sheep for the year were 509,925, shipments 362,737, against 504,318 received, and 378,436 shipped in 1904. The average price of good mutton stock was $3.70 per 100 pounds, compared with $3.70 for 1904, and an annual average of $3.65 for five years prior to 1905.

The total value of Live Stock received at Cincinnati in 1905 was approximately $22,500,000, compared with $18,900,000 in 1904, $20,500,000 in 1903, and $20,400,000 for 1902.

The average weight of Hogs weighed in 1905 at the Cincinnati Union Stockyards, was 184.97 pounds; of Cattle, 869.68; of Sheep, 76.08. For ten years prior to 1905 the annual averages were as follows: Hogs, 186; Cattle, 880; Sheep, 79 pounds.

Considerable business is done here in slaughtering Cattle and Sheep for the dressed meat trade, this product finding sale largely in Eastern markets, where the Cincinnati product has secured favor in competition with that from other markets.

The number of farm animals in the United States on January 1, 1906, as estimated by the Department of Agriculture, was as follows: Milch cows, 19,793,866; other cattle, 47,067,656; total cattle, 64,861,522; sheep, 50,631,619; swine, 52,102,847 —total, 167,595,988, compared with 153,732,841 for 1905, 159,688,826 for 1904, and 172,651,933 for 1903.

Statistical details appear on other pages.

## PROVISIONS.

For the year 1905 the average prices of Hog Product at Cincinnati were as follows: Dry Salted Short Rib Sides, $7.25 per 100 pounds; Dry Salted Shoulders, $6.15; Sugar Cured Hams, $11.40; Prime Steam Lard, in tierces, $6.95 per 100 pounds. For the preceding year the averages were as follows: Dry Salted Short Rib Sides, $7.10; Dry Salted Shoulders, $6.50; Sugar Cured Hams, $12.05; Prime Steam Lard, $6.65. In the comparison the past year shows a moderate increase in the average price of Short Rib Sides, a decrease in Shoulders, a decrease in Hams, and an increase in Lard. These prices indicate about the same general results per 100 pounds of Hogs for both years. The average cost of packing grades of Hogs was approximately $5.35 per 100 pounds, compared with $5.25 for 1904; $6.05 for 1903; $6.80 for 1902; $5.95 for 1901; $5.10 for 1900.

For the calendar year 1905, the local slaughtering of animals was approximately as follows: Hogs, 660,000; Cattle, 180,000; Sheep, 145,000—making a total of 985,000. For the preceding year the numbers were as follows: Hogs, 650,000; Cattle, 165,000; Sheep, 125,000—making a total of 940,000.

The following compilation shows the range and average prices of the various articles of Hog Product in this market for 1905; also the average prices for 1904, and for ten years, ending with 1905, with the lowest yearly and highest yearly averages within the period of ten years:

| ARTICLES. | Range, 1905. | Average, 1905. | Average, 1904. | Average, 10 Years. | Lowest Average, 10 Years. | Highest Average, 10 Years. |
|---|---|---|---|---|---|---|
| Mess Pork | $12.50@15.50 | $13 60 | $12 80 | $12 10 | $8 04 | $17 25 |
| D. S. Short Rib Sides | 6.50@ 8.62 | 7 25 | 7 10 | 6 70 | 4 19 | 9 80 |
| D. S. Shoulders | 5.75@ 6.75 | 6 15 | 6 50 | 5 85 | 4 09 | 7 75 |
| Bacon, S. R. Sides | 7.25@ 9.37 | 8 05 | 7 85 | 7 35 | 4 61 | 10 60 |
| Bacon, S. C. Sides | 7.50@ 9.62 | 8 30 | 8 10 | 7 55 | 4 84 | 10 80 |
| Sugar-cured Hams | 10.50@13.00 | 11 60 | 12 05 | 11 00 | 8 73 | 13 40 |
| Lard, prime steam | 6.50@ 7.65 | 6 95 | 6 65 | 6 50 | 4 02 | 9 90 |

The lowest annual average prices within the period of ten years were in 1898 for Hams, in 1897 for Lard, and in 1896 for other articles. The highest averages were for the year 1902, excepting for Hams, which were higher in 1903.

Comparisons of the annual commercial supplies of Hogs are shown in the following compilation by the *Cincinnati Price Current*, exhibiting the number of Hogs packed in the West and the East, with receipts at New York, Philadelphia and Baltimore, for years ending March 1:

| LOCALITIES. | 1905-06 | 1904-05 | 1903-04 | 1902-03 | 1901-02 | 1900-01 | 1899-1900 |
|---|---|---|---|---|---|---|---|
| Packed in the West | 25,575,000 | 23,918,000 | 22,375,000 | 20,605,000 | 25,411,000 | 23,601,000 | 22,201,000 |
| Packed at Boston | 1,208,000 | 1,302,000 | 1,252,000 | 1,450,000 | 1,406,000 | 1,370,000 | 1,647,000 |
| Other New England packing | 597,000 | 613,000 | 633,000 | 625,000 | 720,000 | 736,000 | 826,000 |
| Packed at Buffalo | 606,000 | 623,000 | 541,000 | 455,000 | 332,000 | 343,000 | 361,000 |
| Other Eastern packing | 344,000 | 420,000 | 355,000 | 270,000 | 291,000 | 310,000 | 258,000 |
| Receipts—New York, Philadelphia and Baltimore | 2,943,000 | 2,815,000 | 2,461,000 | 1,840,000 | 2,235,000 | 2,620,000 | 2,879,000 |
| Totals | 31,273,000 | 29,691,000 | 27,617,000 | 25,245,000 | 30,395,000 | 28,980,000 | 28,172,000 |

Additional pork packing exhibits appear on other pages, as well as much of statistical details relating to the provision trade.

## HAY.

Receipts of Hay in this market in 1905 were 131,220 tons, compared with 110,371 for 1904, and an annual average of 121,000 tons for five years prior to 1905.

The average price of No. 1 Timothy Hay the past year was $12.10 per ton, compared with $13.00 for 1904, and an annual average of $13.90 for five years. At the close of the year the local prices ranged as follows: No. 1 Timothy, $12.50@12.75; No. 2 Timothy, $11.00@11.25; No. 3 Timothy, $9.00@9.50; No. 1 Clover, $9.00@9.50; No. 2 Clover, $8.00@8.25; No. 1 Clover Mixed, $10.00@10.50; No. 2 Clover Mixed, $9.00@9.50.

The Hay crop of the United States as estimated by the Department of Agriculture was 60,531,000 tons in 1905, compared with 60,696,000 for 1904, and an annual average of 56,500,000 for five years prior to 1905.

Statistical details appear on other pages.

## GRASS SEEDS.

Compared with the preceding calendar year there was a small decrease in receipts of Clover Seed the past year, a large decrease in Timothy Seed, and considerable increase in other kinds of Field Seeds. For Clover Seed the receipts were 27,440 bags, compared with 29,278 for 1904, and an annual average of 37,000 bags for five years. For Timothy Seed the receipts were 41,018 bags, compared with 66,787 for 1904, and an annual average of 67,600 bags for five years. For Other Grass Seeds the receipts were 114,696 bags, compared with 84,839 for 1904, and an annual average of 97,200 bags for five years.

Clover Seed for lots on arrival was quoted the first of the year at $6.40@7.00 per bushel, and the market was without much change during the progress of the

seeding period. For the new crop the range for October was $5.70@7.00 per bushel, for November $6.50@7.00, and for December $6.50@7.50. The year's average was $6.60 per bushel, compared with $5.85 for 1904, and an annual average of $5.30 for five years.

Timothy Seed for lots on arrival was quoted at $1.15@1.30 per bushel at the opening of the year, and for the active seeding period. In the latter part of the year there was some advance, ranging at $1.40@1.60 for September, $1.35@1.55 for October, $1.35@1.40 for November, $1.30@1.35 for December. The general average for the year was $1.30 per bushel, compared with $1.25 for 1904, and an annual average of $1.70 for five years.

The calendar year represents the latter part of one season's operations in Seeds, and the earlier part of another, so that it is not in strict agreement with what may be termed the crop year.

Statistical details appear on other pages.

## DRIED FRUIT.

Receipts of Dried Fruit were larger than for the preceding year but short of some earlier years. The total was 2,844,830 pounds, compared with 3,566,722 pounds for 1904, and an annual average of 3,735,000 pounds for five years prior to 1905. Shipments were 1,266,342 pounds, against 1,726,399 in 1904, and an annual average of 1,980,000 pounds for five years.

For California Dried Peaches the year's average price was 9.75 cents per pound, against 7.85 cents for 1904, and an annual average of 8.05 for five years prior to 1905. For Dried Apples the average was 4.50 cents per pound, against 4.45 for 1904, and an annual average of 4.00 for five years prior to 1905.

## GREEN FRUIT.

Receipts of Apples in 1905 fell short of several previous years, indicating a total of 299,891 barrels, compared with 416,991 for 1904, and an annual average of 347,500 for five years prior to 1905. Shipments were 145,948 barrels, against 203,045 for 1904, and an annual average of 165,000 barrels for five years. For the first three months the quotations were mainly about $2.25@2.50 per barrel, and later $2.75@3.00. Prices in the mid-year period were about $2.50@3.00, and in the later months of the year $3.50@4.00 per barrel. For the year the general average was $3.05, compared with $2.30 for 1904, and an annual average of $2.55 for five years.

Receipts of other Green Fruit, including Peaches, Pears, Cherries, Plums, and Berries, were 23,733 tons, compared with 31,021 for 1904, and an annual average of 20,800 for five years prior to 1905.

Receipts of Oranges and Lemons were fairly liberal. Prices of Oranges averaged $3.20 per box, against $2.65 for 1904, and $2.75 for 1903. Prices of Lemons averaged $3.80 per box, against $2.75 for 1904, and $2.40 for 1903.

Statistical details appear on other pages.

## POTATOES.

Receipts of Potatoes in 1905 represented a total of 1,548,426 bushels, compared with 1,809,011 for 1904, and an annual average of 2,113,000 bushels for five years. Shipments for the year were 629,370 bushels, compared with 746,450 for 1904. For the first half of the year prices were comparatively low. Later in the year, with evidences of deficiency in the yield of this crop in some portions of the country, higher prices were established, with car load lots in November quoted at 60@75 cents per bushel, and in December 55@80 cents; the range for December of the preceding year being 40@43 cents. For the year the general average price was 45 cents, compared with 78 cents for 1904, and 61 cents for five years.

The Department of Agriculture estimate of the Potato crop of the United States in 1905 indicates 260,741,000 bushels, compared with 332,830,000 for 1904, and an annual average of 252,600,000 bushels for five years prior to 1905.

Statistical details appear on other pages.

## BUTTER AND BUTTERINE.

The reported receipts of Butter represent a total of 154,605 tubs for the past year, compared with 146,598 for 1904, and an annual average of 190,400 for five years. Shipments were 68.297 tubs, against 47,322 for 1904.

Prices of Creamery Butter ranged at 28@30½ cents per pound in January, 30@34 cents in February, 24@30 cents in March, 26@32 cents in April, subsequently declining, with 19½@20½ cents the prevailing position in June, with little change until October, when the range advanced to 22@23 cents, and in December to 24@25 cents. The general average for the year was 23.95 cents, compared with 20.70 for 1904, and an annual average of 20.55 cents for five years prior to 1905. For Dairy Butter the average for the year was 15.85 cents per pound, compared with 11.40 for 1904, and an annual average of 13.30 cents for five years.

Considerable Butter comes to this market by wagons from near-by localities, and by suburban electric car lines, of which there is no record. There are some lots sent out through such channels without record.

Butterine receipts were 815,439 pounds in 1905, compared with 1,033,327 for 1904. The reported shipments indicate 1,117,864 pounds, against 1,047,696 pounds for 1904. There is considerable distribution of such products by outgoing express lines and suburban electric cars, for which the Chamber of Commerce has no record. The year's average price was 13.25 cents per pound, compared with 13.00 for 1904, and an annual average of 14.55 cents for five years.

Statistical details appear on other pages.

## GROCERIES.

Returns to the Chamber of Commerce represent the sales of a large proportion of the local dealers in Groceries, and indicate for 1905 an average gain of about 4½ per cent in comparison with the preceding year. This implies a total for all dealers amounting to $26,900,000, which compares with $25,750,000 for 1904, and an annual average of $23,300,000 for five years prior to 1905. This makes it

appear that the volume of business in value the past year was more than 15 per cent greater than the annual average for the five years previously. The increase the past year was largely but not wholly due to higher prices of staple products.

Receipts of Coffee in 1905 were 297,795 bags; shipments 261,061 bags, compared with 296,002 bags received and 238,144 bags shipped in 1904. For five years prior to 1905 the average annual receipts were 273,000 bags. The high point reached at the close of the preceding year for Rio Coffee was maintained during January, followed by some decline in February, and further concessions in March and April, the range of Fair Rio within this period being $9\frac{3}{4}$@$10\frac{7}{8}$ cents per pound, and the range for the remaining months of the year was $9\frac{5}{8}$@$10\frac{3}{4}$ cents, with $9\frac{3}{4}$ cents the quotation at the end of December. The general average price for Fair Rio for the year was 10.25 cents per pound, compared with 9.60 for 1904, and 9.10 as the average annual price for five years prior to 1905.

Receipts of Sugar in 1905 were 290,253 barrels; shipments 127,354 barrels, compared with 284,520 barrels received and 112,205 shipped in 1904. For five years prior to 1905 the average annual receipts were 287,000 barrels. The year opened with an advancing tendency in prices of Hards, and for the first seven months the position of prices was higher than during the corresponding period of the preceding year, the later months being lower. The year's range was 4.90@5.63 as the low quotation in November, and 6.58@7.28 as the high quotation in January. The general average price for the year is 6.20 cents per pound, compared with 5.80 cents for 1904, and an average annual price of 5.70 cents for five years prior to 1905.

Receipts of Rice in 1905 were 50,220 barrels; shipments 29,232 barrels, compared with 62,094 barrels received and 36,198 barrels shipped in 1904. For five years prior to 1905 the average annual receipts were 71,800 barrels. The average of prices for Fancy Head for the year was 5.75 cents per pound, compared with 6.10 for 1904, and an annual average of 5.95 cents for five years prior to 1905.

Statistical details appear on other pages.

## CHEESE.

Receipts of Cheese for the year were 142,148 boxes, compared with 128,490 for 1904, and an annual average of 132,000 boxes for five years. Shipments were 100,170 boxes, against 85,009 for 1904. Ohio Cheese ranged at $12\frac{1}{2}$@13 cents per pound in January and February, and subsequently 14@$14\frac{1}{4}$ cents until the new season opened, the range in June being 10@$10\frac{1}{2}$ cents, in August 11@$11\frac{1}{4}$, in October 12@$12\frac{1}{2}$, and in December $13\frac{1}{2}$@14. The general average for the year was 12.60 cents, compared with 9.40 for 1904, and an annual average of 10.75 cents for five years.

Statistical details appear on other pages.

## EGGS.

Receipts of Eggs in 1905 were 420,604 cases, compared with 377,263 in 1904, and an annual average of 377,000 for five years prior to 1905. Shipments were 311,396 cases, compared with 265,276 for 1904, and an annual average of 216,000

for five years. Prices were comparatively high, the lowest position of the market in times of greater supplies being 14 cents per dozen, while in the cold months, early and late in the calendar year, prices were up to 25 to 30 cents per dozen. The general average for the year was 19.50 cents per dozen, compared with 19.60 for 1904, and an annual average of 16.75 cents for five years.

Statistical details appear on other pages.

## FEATHERS.

Receipts of Feathers in 1905 were larger than for the preceding year and for several earlier years, the total indicating 1,322,101 pounds, compared with 935,655 pounds for 1904, and an annual average of 1,162,000 pounds for five years prior to 1905. Shipments were 1,122,627 pounds, against 964,209 for 1904, and an annual average of 927,000 pounds for five years. Prices ranged at 46@48 cents per pound, averaging 47 cents, compared with 48 cents for 1904, and an annual average of 46 cents for five years prior to 1905.

This city has the most complete modern factory in the feather and down business in the world, and this market is an attractive one in this line, for shippers and buyers.

Statistical comparisons appear elsewhere in this report.

## WOOL.

The receipts of Wool are quite variable. The reported arrivals in 1905 were 120,053 bales, compared with 111,878 bales for 1904, and an annual average of 71,000 bales for five years prior to 1905. Shipments were 120,842 bales, against 125,442 in 1904, and an annual average of 79,000 bales for five years. Additions to the supply from pelts locally handled account for shipments being in excess of receipts. For Ohio Fleece Wool, washed combings, the average price for the year was about 36.75 cents per pound, compared with 30 cents for 1904, and an annual average of 25.60 cents for five years prior to 1905.

Statistical details appear on other pages.

## TALLOW.

Receipts of Tallow in 1905 were 65,953 barrels and tierces, compared with 59,950 in 1904, and an annual average of 58,000 for five years prior to 1905. Shipments were 6,785 barrels and tierces, against 4,022 for 1904, and an annual average of 7,000 for five years. Early in the year quotations were $4\frac{3}{4}$ cents per pound for city rendered, declining later to $4\frac{1}{2}$ cents, with $4\frac{3}{4}$@$4\frac{7}{8}$ cents the prevailing position later in the year. The general average for the year was 4.65 cents, compared with 4.80 cents for 1904, and an annual average of 5.25 for five years prior to 1905.

Statistical comparisons appear elsewhere in this report.

## HIDES.

Receipts of Hides in 1905 were considerably in excess of the preceding year, and have been exceeded in only one instance in previous years. The records show a total of 693,229, compared with 657,284 for 1904, and an annual average of 644,000 for five years. Shipments were 593,693, compared with 548,633 for 1904, and an annual average of 491,000 for five years. Local slaughtering furnished about 180,000 Cattle Hides for the year, and also a large number of Calf Skins, Sheep Skins, etc. No. 1 Wet Salted Hides sold at 9 cents per pound early in the year, and advanced from time to time until 12 cents was reached toward the end of the year, the general average being 10.50 cents, compared with 8.25 for 1904, and an annual average of 7.70 cents for five years.

At the close of the year the various classifications of Hides in this market were quoted as follows, per pound: No. 1 Wet Salted, 11½ cents; No. 2 Wet Salted, 10½; No. 1 Bull, 8½; No. 2 Bull, 7½; No. 1 Dry Flint, 18@19; No. 1 Dry Salted 16@17. Green Hides generally 1 cent per pound lower than Wet Salted.

Statistical comparisons appear on other pages.

## LEATHER.

Receipts of Leather in 1905 were 256,136 bundles, compared with 230,323 for 1904, and an annual average of 265,000 for five years prior to 1905. Shipments were 232,737 bundles, compared with 197,458 for 1904, and an annual average of 204,000 for five years.

Local tanneries are large producers of Leather. The local slaughtering for the year added 180,000 Cattle Hides to the supply of unfinished stock, besides a large number of Calf Skins, Sheep Skins, etc. The extensive shoe manufacturing industry here, as well as the large production of harness and saddlery, makes this an important market for Leather, made locally and elsewhere.

The average price of oak-tanned Sole Leather for the year was 30.15 cents per pound, against 30.10 for 1904, and an annual average of 29.60 cents for five years prior to 1905.

Statistical details appear on other pages.

## OILS.

Lard Oil sold at 56@60 cents per gallon during most of the year, averaging 58 cents, compared with 61 cents for 1904, and an annual average of 66 cents for five years.

Linseed Oil sold at 43 cents per gallon early in the year, subsequently advancing, with 52 cents representing the average position in August, from which there was a later decided decline, with 40 cents representing the situation late in the year. The general average price for the year was 44 cents per gallon, for one to five barrel lots, compared with 41 cents for 1904, and an annual average of 53 cents for five years.

Carbon Oil (illuminating) sold mostly at 9½ cents per gallon, averaging about 9.60 cents for the year, compared with 10.70 for 1904, and an annual average of 9.40 cents for five years.

Petroleum receipts in 1905 were 261,032 barrels, compared with 290,792 for 1904, and an annual average of 307,000 for five years prior to 1905. Shipments were 95,516 barrels, against 100,927 for 1904, and an annual average of 115,000 for five years prior to 1905.

Sales by local concerns in 1905, including lots for direct shipment to points of destination, were 2,144,533 barrels, which compares with 1,992,522 for 1904, 1,722,530 for 1903, 1,709,600 for 1902, 1,521,000 for 1901, and 1,473,000 for 1900.

Statistical details appear on other pages.

## SALT.

The reported arrivals of Salt in 1905 represented a t tal of 472,233 barrels (of 280 pounds), compared with 476,599 for 1904, and an annual average of 359,000 for five years. Shipments were 353,893 barrels, compared with 362,741 for 1904, and an annual average of 258,000 for five years. Quotations for Ohio River and Kanawha Salt for car lots on arrival sold at 85@90 cents per barrel, averaging 87 cents for the year, compared with 90 cents for 1904, and an annual ave age of 92 cents for five years.

## HOPS.

Receipts of Hops in 1905 were 8,283 bales, compared with 7,575 for 1904, and an annual average of 10,000 for five years prior to 1905. Shipments were 1,325 bales, against 1,976 for 1904. For the first three months of the year the range of prices was 30@33 cents per pound; for the second period of three months, 28@29 cents; for the third period, 18½@24 cents; for the fourth period, 13½@17 cents. The average for the year was 24.15 cents per pound, compared with 31.40 cents for 1904, and an annual average of 21.80 cents for five years.

Comparative receipts and shipments and annual prices appear on other pages.

## WHISKY.

There was considerable curtailment in production of Distilled Spirits in Cincinnati and the immediate vicinity in 1905, the returns indicating a total of 8,177,071 gallons, compared with 11,291,369 for 1904, and an annual average of 9,666,000 for five years prior to 1905.

The receipts of Whisky in 1905 were 217,392 barrels, compared with 247,591 for 1904, and an annual average of 334,000 barrels for five years. Shipments were 405,310 barrels, compared with 428,342 for 1904.

The total quantity of Whisky represented by local production and receipts for the year was 18,611,887 gallons, compared with 23,175,737 for 1904, and an annual average of 25,723,000 for five years prior to 1905. The approximate valuation for 1905 was $23,382,000, against $29,195,000 for 1904, and an annual average of $32,400,000 for five years prior to 1905.

The production of Rectified Spirits in 1905 was slightly increased, amounting to 15,730,015 gallons, compared with 15,636,491 for 1904, and an annual average of 14,317,000 for five years prior to 1905.

The basis price of Finished Spirits in this market at the close of 1904 was $1.24 per gallon. The changes during 1905 were as follows: January 9, $1.23; May 10, $1.26; June 16, $1.27; August 9, $1.28; August 30, $1.29; September 26, $1.30. The general average for the year was $1.26½, against $1.27 for 1904, and an annual average of $1.28 for five years prior to 1905.

Statistical details appear on other pages.

## BEER, ALE, ETC.

The local production of Malt Liquors in 1905 was considerably in excess of the high record of the preceding year, the total indicating 1,665,581 barrels, compared with 1,501,200 for 1904, and an annual average of 1,390,000 barrels for five years prior to 1905. Receipts were 64,154 barrels, against 29,546 barrels for 1904. Shipments were 667,890 barrels, compared with 568,993 for 1904, and an annual average of 461,000 for five years prior to 1905.

The indicated local consumption of Malt Liquors for the year, for this city and vicinity, was 1,062,000 barrels, representing 32,922,000 gallons, which quantity, if applied to 575,000 as the population, would imply 57 gallons per capita, or over $22.50 per capita as the average expenditure. Retailers paid out about $6,800,000 for the quantity handled by them during the year.

Statistical details appear on other pages.

## COAL AND COKE.

The quantity of Coal received at Cincinnati in 1905 was largely in excess of the high record of the preceding year. This result was partly due to river conditions, the period of navigation covering an unusual proportion of the year. While much the larger gain in arrivals is shown in the exhibit of river receipts for the year, there is also a decided increase shown in rail receipts. Applying percentage in the comparison with the preceding year there is shown a gain of 66 per cent for river receipts, and 18 per cent for rail receipts—the aggregate increase being 36 per cent. It should be remarked that the river receipts of Coal in the preceding year were unusually small, the low stage of the river during the last half of the year preventing the movement.

The total receipts of Coal at Cincinnati in 1905, as indicated by records and investigations of the Chamber of Commerce, were 160,820,000 bushels. This compares with 118,184,000 bushels for 1904, and an annual average of 99,975,000 bushels for five years prior to 1905. The receipts by river were 72,935,000 bushels, compared with 43,818,000 bushels for 1904, and an annual average of 50,993,000 bushels for five years. Rail receipts were 87,885,000 bushels, compared with 74,366,000 bushels for 1904, and an annual average of 48,982,000 bushels for five years.

Coal shipments by river in 1905 were 6,433,000 bushels, and by rail 57,541,000 bushels, making a total of 63,974,000 bushels, which compares with a total of 44,676,000 bushels for 1904, and an annual average of 32,517,000 bushels for five years.

The receipts of Coal in 1905 represented 45 per cent by river, and 55 per cent by rail. For a period of five years previously, river receipts represented 51 per cent, and rail receipts 49 per cent.

Prices of Lump Coal were 8 cents per bushel for lots afloat for Pittsburg District product, throughout the year, and 7½@8 cents for Kanawha, mainly 8 cents, so that 8 cents may be regarded as the year's position. Run of Mine Pittsburg Coal was quoted at 7¼ cents, and Nut and Slack 5@5½ cents. Kanawha Nut and Slack was quoted mostly at 4½@5 cents per bushel. The price of Lump Coal delivered to consumers, for both Pittsburg (Youghiogheny) and Kanawha, was $3.50 per ton for about five months of the year, and $3.25 for seven months. The general average price for the year was $3.35 per ton, compared with $3.20 for 1904, and an annual average of $3.00 for five years. The general average price for the year for Lump Coal afloat was about 8 cents per bushel, compared with 8.50 cents for 1904, and an annual average of 8.15 cents for five years. For Nut and Slack Coal some sales of Kanawha were made at $1.75 per ton, delivered, but the prevailing price was $1.90, and for Pittsburg, $2.00; general average about $1.95 per ton.

Anthracite Coal for lots delivered to consumers, sold at $7.50 per ton until April, declined to $7.25, and advanced to $7.50 in October, averaging $7.37 for the year, compared with $7.30 for 1904, and an annual average of $7.60 for five years.

The consumption of Coal, as near as can be estimated upon statements of dealers, has been pretty evenly divided between industrial and household requirements, the past year seeming to justify about 55 per cent as the proportion for industrial uses, and 45 per cent for household purposes.

For the year 1905 the local gas works consumed Coal to the extent of 197,577 tons of 2,000 pounds, or 5,497,000 bushels. There were sent out from the works 2,169,000,000 cubic feet of gas, and the product of electric current represented 29,422,000 kilowatts. The increase in output of gas was over 20 per cent in comparison with the preceding year, while the increase in electric current was less than 3 per cent. No report available for 1905.

The yearly range and average prices of Pittsburg Coal, afloat and delivered, per bushel, based on weekly records, compare for a series of years as shown in the following compilation:

| YEARS. | AFLOAT. | | | DELIVERED. | | |
|---|---|---|---|---|---|---|
| | Lowest. | Highest. | Average. | Lowest. | Highest. | Average. |
| 1894 | 5¼ | 9 | 6 34 | 7¼ | 10¾ | 9.11 |
| 1895 | 5½ | 6½ | 6.00 | 8⅛ | 10¾ | 9 00 |
| 1896 | 5½ | 6 | 5.73 | 8⅛ | 9 | 8.40 |
| 1897 | 5½ | 5¾ | 5.70 | 5¾ | 10¾ | 8.10 |
| 1898 | 5 | 6 | 5.66 | 7¼ | 9 | 8.05 |
| 1899 | 4½ | 7½ | 5.30 | 8⅛ | 11¾ | 9.50 |
| 1900 | 7½ | 8 | 7.50 | 10¾ | 11¾ | 10.90 |
| 1901 | 6½ | 8 | 7.50 | 9 | 10¾ | 10.55 |
| 1902 | 6½ | 10 | 7.92 | 10 | 14½ | 11.75 |
| 1903 | 9 | 10 | 9.25 | 12⅝ | 14½ | 13.18 |
| 1904 | 8 | 9 | 8.50 | 10¾ | 13½ | 11.50 |
| 1905 | 8 | 8 | 8.00 | 11¾ | 12⅝ | 12.05 |

Coal from the Kanawha, Virginia and West Virginia regions, sells at the same, or about the same, prices as are obtained for the product from the Pittsburg district. Sales afloat are on the bushel basis, 72 pounds; sales delivered are on the ton basis, 2,000 pounds, and represent screened or lump grade.

The receipts of Coke for the year were 4,580,000 bushels, and the quantity locally manufactured was 7,219,000 bushels, making a total of 11,799,000 bushels, compared with 10,934,000 bushels the preceding year. For city manufacture the average price for the year was 10½ cents per bushel; of gas-house, 9 cents; of Connellsville, $6.50 per ton.

Statistical data appear in tables elsewhere in this report.

## PIG IRON.

While the local consumption of Pig Iron is not large in comparison with some other manufacturing cities, the sales of this product by the concerns here are greater in amount than in any other market in the country, the transactions largely covering sales for direct movement from originating to delivery points.

Local receipts of Pig Iron in 1905 were 588,297 tons, compared with 592,422 tons for 1904, and an annual average of 600,000 for five years prior to 1905. Shipments in 1905 were 383,975 tons, compared with 446,733 tons for 1904, and an annual average of 507,000 for five years.

Sales of Pig Iron by local houses in 1905 for direct shipment to delivery points were 1,155,126 tons, compared with 1,208,849 tons for 1904, and an annual average of 1,042,000 for five years.

The value of the total receipts of Pig Iron in 1905, and sales by local dealers for direct shipment, represents approximately $29,600,000, compared with $26,100,000 for 1904, and an annual average of $28,900,000 for five years.

Prices of Pig Iron during the first four months of the year were maintained at the advanced position reached near the close of the preceding year. Subsequently a declining tendency developed, until $13.75@14.75 represented the position of Southern Coke No. 2 Foundry in July, against $16.25@16.75 for the early part of the year. From August to the close of the year there was more or less shaping of prices to higher figures, with $16.75@17.25 finally reached. The average for the year for this grade was $15.90 per ton, compared with $13.10 for 1904, and an annual average of $16.40 for five years.

For Lake Ore Coke No. 2 Foundry Iron the range of prices early in the year was $17.15@17.65, declining later to $15.15@15.40 in August, and advancing near the close of the year to $18.65@19.15, making an average of $17.00, compared with $14.15 for 1904, and an annual average of $17.70 for five years.

For Hanging Rock Charcoal No. 1 Iron the quotation was $23.65@26.65 until October, advancing in November to $26.65@27.15, which represented the position at the close of the year. The average for 1905 was $25.50 per ton, compared with $22.70 for 1904, and an annual average of $25.70 for five years.

The average price of Anthracite Foundry Pig Iron at Philadelphia in 1905 was $17.88 per ton, compared with $15.57 for 1904, and an annual average of $18.30 for five years.

The production of Pig Iron in the United States in 1905 largely exceeded any previous record, representing a total of 22,992,380 tons of 2,240 pounds, compared with 16,497,033 tons for 1904, and an annual average of 16,400,000 tons for five years.

Statistical data appear in tables elsewhere in this report.

## MANUFACTURED IRON AND STEEL.

Receipts of Manufactured Iron and Steel in 1905 were considerably enlarged in comparison with 1904, showing a total of 445,147 tons, against 299,044 for the preceding year, and an annual average of 338,000 for five years prior to 1905.

The following compilation shows annual average prices of Bessemer Pig Iron, at Pittsburg; best Rolled Bar Iron, at Pittsburg; Steel Billets, at Pittsburg; Steel Rails, at mills in Pennsylvania; Wire Nails, at Chicago (f. o. b.), carload lots:

| ARTICLES. | 1905 | 1904 | 1903 | 1902 | 1901 | 1900 | 1899 | 1898 | 1897 | 1896 |
|---|---|---|---|---|---|---|---|---|---|---|
| Bessemer Pig Iron, per ton ... | $16 36 | $13 76 | $18 98 | $20 67 | $15 93 | $19 49 | $19 03 | $10 33 | $10 13 | $12 14 |
| Rolled Bar Iron, per ton..... | 41 89 | 33 17 | 39 59 | 43 53 | 40 38 | 48 12 | 43 75 | 23 93 | 24 73 | 27 22 |
| Steel Billets, per ton..... | 24 03 | 22 18 | 27 91 | 30 57 | 24 13 | 25 06 | 31 12 | 15 31 | 15 08 | 18 83 |
| Steel Rails, per ton ..... | 28 00 | 28 00 | 28 00 | 28 00 | 27 33 | 32 29 | 28 12 | 17 62 | 18 75 | 28 00 |
| Wire Nails, per 100 pounds ... | 1 93 | 1 96 | 2 13 | 2 15 | 2 41 | 2 76 | 2 57 | 1 45 | 1 45 | 2 50 |

Statistical data appear in tables elsewhere in this report.

## COTTON.

Receipts of Cotton at Cincinnati in 1905, as reported, were 176,076 bales, compared with 148,320 for 1904, and an annual average of 173,000 bales for five years prior to 1905. Shipments were 149,299 bales, compared with 141,755 for 1904, and an annual average of 163,500 bales for five years. These figures are not to be accepted as specifically accurate, for there are features incident to securing reports locally of the cotton movement which admit of something of error in the records. Cincinnati is not a Cotton market, the arrivals here largely representing through movement. The local consumption of Cotton is 15,000 to 18,000 bales annually. Market prices here are governed by New York quotations.

At New York, Middling Upland Cotton for spot delivery in 1905 was as low as 7 cents per pound in January, and as high as 12.60 cents per pound in December. For the year the general average was about 9.50 cents per pound, compared with 12.10 for 1904, 10.25 for 1903, and 8.75 for 1902.

The Cotton crop of the United States for the year ending September 1, 1905 (grown in 1904), as estimated by the *New York Financial Chronicle*, was 13,556,841 bales, compared with 10,123,686 for the preceding year, and 10,758,326 for 1902–03. The annual average for five years prior to 1904–05 was 10,290,000 bales. The average gross weight of bales for 1904–05 was 516.10 pounds, compared with 507.86 for the preceding year, and 508.55 for 1902–03. The area in Cotton, as estimated by the *Financial Chronicle*, has been as follows: 1904–05, 32,363,000 acres; 1903–04, 28,808,000 acres; 1902–03, 27,300,000 acres; 1901–02, 27,874,000 acres; 1900–01, 26,534,000 acres.

Statistical data appear in tables elsewhere in this report.

## LUMBER.

The records for 1905 indicate receipts of 68,804 cars of Lumber, compared with 61,107 for 1904, 64,549 for 1903, and 96,548 for 1902, the latter being the high record in this line. For five years prior to 1905 the annual average was 70,000. Shipments were 54,876 cars, against 47,308 for 1904, and an annual average of 49,700 for five years. Prices at the close of the year for Pine product ranged about the same as a year previously, while Hardwood Lumber was higher on some classes. It is difficult to obtain very definite quotations.

## SOAP.

The reported shipments of Soap are liable to be more or less incomplete, and the comparatively small gain in the record for 1905 in comparison with the preceding year may be regarded as not fully reflecting the relative movement. The records indicate shipments of 3,067,590 boxes, compared with 3,038.726 for 1904, and an annual average of 2,532,000 for five years prior to 1905. The manufacture of Soap is one of the most prominent industries of our city, and it is to be regretted that precise figures can not be presented of the output of our factories. Calculations upon such basis as has been available lead to the conclusion that the total manufacture in 1905 was about 300,000,000 pounds, compared with 275,000,000 for 1904, 250,000,000 for 1903, 235,000,000 for 1902, and 225,000,000 for 1901. The value of Soap made at Cincinnati in 1905 was about $20,000,000.

## LEAF AND MANUFACTURED TOBACCO.

There was considerable increase in receipts of Leaf Tobacco in 1905 in comparison with the preceding year, but the quantity was not equal to some earlier years. Total receipts 77,537 hogsheads, compared with 60,719 for 1904, and an annual average of 71,000 for five years prior to 1905. The receipts of cases and bales were 64,031, compared with 42,755 for 1904, and an annual average of 57,000 for five years. Shipments for the year were 58,752 hogsheads, and 28,522 cases and bales.

At the auction warehouses the receipts of the year were 45,419 hogsheads, offerings 51,617, rejections 11,402, sales 40,215, cash amount of sales $4,458,046, stocks remaining at end of the year 9,080 hogsheads.

The sales at the auction warehouses in 1905 represented an average of $9.25 per 100 pounds, compared with $10.05 for 1904, and an annual average of $8.60 for five years prior to 1905. The comparisons of general average prices realized do not necessarily reflect relative prices of equal grades, for the proportionate sales of the lower and higher grades is variable from year to year.

The value of the total arrivals of Leaf Tobacco in 1905 was approximately $8,600,000, compared with $8,800,000 for 1904, and $9,100,000 for 1903.

The stocks of Leaf Tobacco at Cincinnati at the close of 1904 were of moderate proportions, 9,080 hogsheads, compared with 6,238 a year previously, and an annual average of 11,490 for ten years prior to 1905.

The local manufacture of Chewing and Smoking Tobacco was 11,462,000 pounds, compared with 10,250,000 for 1904, and an annual average of 9,812,000 for five years prior to 1905. The local manufacture of Cigars was 181,224,000, compared with 182,371,000 for 1904, and an average of 258,518,000 for five years prior to 1905.

Receipts of Manufactured Tobacco in 1905 were considerably larger than in the preceding year, but short of some earlier years, amounting to 160,187 packages, compared with 107,219 for 1904, and an annual average of 195,000 for five years prior to 1905. Shipments were 248,736 packages, compared with 152,535 for 1904, and an annual average of 235,000 for five years prior to 1905.

The Tobacco crop of 1905 is estimated by the Department of Agriculture as 633,033,000 pounds, from 776,100 acres, against 660,460,000 pounds, from 806,400 acres in 1904, the average price being estimated at 8.45 cents per pound for 1905, against 8.10 cents for 1904.

Statistical data appear in tables elsewhere in this report.

## VEHICLE MANUFACTURING.

Vehicle manufacturing operations in Cincinnati in 1905 continued to reflect the activity which had been developed in the two years previously. The Chamber of Commerce effort to secure returns from the manufacturers has not resulted in obtaining complete statements, but the reports received make it appear that the value of the total output for the year was about 10 per cent. greater than for 1904—some of the larger concerns reporting much higher percentages of increase. On the basis of about 10 per cent. the total value would be approximately $10,500,000, compared with $9,500,000 for 1904, and an annual average of about $9,000,000 for five years prior to 1905.

In the production of the lighter classes of Vehicles Cincinnati has become especially distinguished. They are shipped to all portions of the country, and to some extent exported to foreign countries. It is claimed for this city that its output of Vehicles exceeds that of any other place in the country. The economies and advantages incident to use of the most improved machinery in manufacture, the high quality of materials used, and the skill and taste displayed among manufacturers of such goods here, have combined to give fame to this market for Vehicles locally manufactured. The central position of Cincinnati in its relation to transportation communication with all sections of the country, and advantages commanded by our manufacturers for securing material economically and of high degree of excellence, are important elements in favor of this market in this line of industry.

The manufacture of Automobiles has made considerable headway in this city, and gives promise of assuming considerable importance.

## BOOTS AND SHOES.

The notably high position of Cincinnati in the manufacture and distribution of Shoes has been fully maintained, although the increase in operations the past year was not striking. The value of the output of local factories in 1905 is esti-

mated at about $18,000,000, or over 5 per cent gain in comparison with the preceding year. About nine-tenths of the local manufacture represents Women's Shoes. The aggregate of sales by producers and dealers for the past year, as indicated by returns to the Chamber of Commerce, was about $26,000,000, compared with $25,000,000 for 1904, and an annual average of $22,650,000 for five years prior to 1905.

Shoes of Cincinnati manufacture find market largely in the South, and are popular for their excellence of quality.

The following compilation shows approximately the value of yearly sales of Boots and Shoes by manufacturers and dealers at Cincinnati, according to special returns to the Chamber of Commerce:

| | | |
|---|---|---|
| 1894.....$11,250,000 | 1898.....$15,500,000 | 1902.....$22,950,000 |
| 1895..... 12,580,000 | 1899..... 17,250,000 | 1903..... 24,750,000 |
| 1896..... 11,350,000 | 1900..... 19,325,000 | 1904..... 25,000,000 |
| 1897..... 14,150,000 | 1901..... 21,250,000 | 1905..... 26,000,000 |

## CLOTHING.

The investigations concerning the local Clothing trade in 1905 do not suggest a large increase, this business being conspicuous among the important lines of industry here. The product of local establishments is estimated as about $17,000,000 for men's wear, and $3,000,000 for women's wear. Sales of local dealers for the year, as indicated by returns to the Chamber of Commerce, reached a total of about $30,000,000, compared with $29,500,000 for 1904, and an annual average of $27,000,000 for five years prior to 1905. These sales include considerable Clothing received from other sources.

The following indicates approximately the value of yearly sales of Clothing by manufacturers and dealers at Cincinnati, according to special returns to the Cincinnati Chamber of Commerce:

| | | |
|---|---|---|
| 1887–88..... ...$18,415,000 | 1894.....$18,700,000 | 1900.....$25,575,000 |
| 1888–89..... 18,510,000 | 1895..... 19,650,000 | 1901..... 24,750,000 |
| 1889–90.. ..... 21,060,000 | 1896..... 18,875,000 | 1902..... 26,975,000 |
| 1890–91..... 23,220,000 | 1897..... ..... 20,750,000 | 1903..... ..... 28,050,000 |
| 1891–92..... 23,450,000 | 1898..... 21,250,000 | 1904..... 29,500,000 |
| 1893..... 21,725,000 | 1899..... 23,150,000 | 1905..... 30,000,000 |

## DRY GOODS.

The distribution of Dry Goods by local houses in 1905 as indicated by returns to the Chamber of Commerce, was but little larger in volume in 1905 than the record for the preceding year, the total appearing to represent about $44,000,000, compared with $43,500,000 for 1904, and an annual average of $40,700,000 for five years prior to 1905. In the returns from the houses in this line it is not practicable to determine as to what extent the reported sales may in fact include other goods, which may represent a considerable amount, but for general comparison the results reached may be accepted as fair approximation.

The following indicates approximately the value of yearly sales of Dry Goods by the trade at Cincinnati, according to special returns to the Cincinnati Chamber of Commerce, for the years stated:

| | | |
|---|---|---|
| 1887-88.....$28,870,000 | 1894.....$32,685,000 | 1900.....$37,150,000 |
| 1888-89..... 31,335,000 | 1895..... 33,625,000 | 1901..... 38,025,000 |
| 1889-90..... 34,965,000 | 1896..... 31,475,000 | 1902..... 41,000,000 |
| 1890-91..... 36,300,000 | 1897..... 34,350,000 | 1903..... 43,750,000 |
| 1891-92..... 37,456,000 | 1898..... 34,500,000 | 1904..... 43,500,000 |
| 1893..... 35,575,000 | 1899..... 39,125,000 | 1905..... 44,000,000 |

The wholesale Dry Goods merchants of Cincinnati maintain full and superior assortments of goods, which are offered at relatively low prices. This policy has enabled our merchants to maintain a strong position in the competition for meeting the wants of dealers in towns less populous in the Ohio Valley and contiguous territory.

The following compilation shows yearly average prices of Middling Cotton and staple manufactures of Cotton at New York, for a series of years:

| ARTICLES. | 1905 | 1904 | 1903 | 1902 | 1901 | 1900 | 1899 | 1898 | 1897 | 1896 |
|---|---|---|---|---|---|---|---|---|---|---|
| Middling Cotton, per lb..... | 9.80 | 11.75 | 11.18 | 9.00 | 8.75 | 9.25 | 6 88 | 5.94 | 7.00 | 7.93 |
| Standard Sheetings, per yard. | 7.00 | 7.13 | 6.25 | 5.48 | 5.54 | 6.05 | 5.28 | 4.20 | 4.73 | 5.45 |
| Standard Drillings, per yard.. | 7.00 | 7.31 | 6.37 | 5.52 | 5.48 | 5.95 | 5.13 | 4.10 | 4.75 | 5.48 |
| Bleached Shirtings, per yard . | 9.00 | 10.50 | 10.75 | 10.50 | 10 25 | 10 75 | 9 50 | 8.00 | 9.25 | 9.50 |
| Standard Prints per yard..... | 4 75 | 5.00 | 5 00 | 5.00 | 4.62 | 5.00 | 4.25 | 3.96 | 4.70 | 4 66 |
| Printing Cloths, per yard..... | 3.13 | 3.44 | 3.25 | 3.11 | 2.84 | 3.21 | 2.69 | 2.06 | 2.48 | 2.60 |

## FURNITURE, OFFICE FIXTURES, ETC.

The local business in Furniture, Office Fixtures, and kindred equipments, during the past year, so far as can be judged from returns received by the Chamber of Commerce, was about 5 per cent in excess of the preceding year.

The local production of Furniture embraces all classes of furnishings for residences, offices, banks, hotels, restaurants, saloons, etc., and this market has maintained a high reputation for the tasteful designs and quality of work turned out.

In the manufacture of Office Fixtures this city is undoubtedly first in importance in this country. The most extensive plant of this kind is here—partly within corporation limits, partly just outside.

The local manufacturing concerns, as well as the department stores, handle considerable of Furniture made elsewhere, notably Chairs, and also Office Fixtures. Local factories turn out large quantities of burial cases, picture frames, mouldings, and minor articles in great variety, in which wood is largely used. Liberal quantities of goods in these lines are exported to foreign countries, notably desks, filing cabinets, bookcases, etc., for equipment of offices. The value of the output of Furniture and Office Fixtures in 1905 is estimated as approximately $9,000,000, compared with $8,500,000 for 1904, $8,500,000 for 1903, $8,000,000 for 1902, and $7,500,000 for 1901.

## MANUFACTURING INTERESTS AND COMPARISONS.

Statistics of Manufacturing and other industries for Cincinnati would not appropriately reflect the status of this locality if they were to be confined to the corporation limits of the city. Therefore it is to be understood that such exhibits prepared by the Chamber of Commerce embrace matters of such nature which properly belong to this commercial center, regardless of the fixed lines of the corporation. Many of the very large Manufacturing establishments of the locality are situated beyond the city limits, and on the Kentucky side of the Ohio River. This fact makes it impossible for the Census Office exhibits to appropriately show the extent of the industrial activities here. This remark is likewise applicable to population returns.

Cincinnati is favored with an exceptional combination of conditions promotive of growth of Manufacturing industries, and advantageous returns for investment of capital and application of business enterprise. The facilities here for securing raw material at low cost, applicable to a great variety of industries—such as iron, wood, leather, fuel, etc.—have been important elements in the situation. The region is one especially favorable in climatic conditions, promotive of health and comfort of the people. The locality commands rare opportunities for securing food supplies, in great variety, of best quality, and at low cost to consumers. The abundance of capital and liberal banking facilities are important factors in such enterprise. Transportation facilities, by rail and water, provide for distribution of products from this central position more favorably as to cost and time than are available at any other large city in the country. Industrial classes are provided with good homes, readily accessible, and at low rates. Labor controversies have rarely interfered with industrial operations. Educational facilities here are of the highest order, including technical branches. Opportunities for recreation and entertainment are of the best class. Under such conditions Cincinnati has become a city distinctly prominent in Manufacturing industries, covering lines in great variety and extent, many of which represent the highest positions in such operations in this country.

As a result of careful investigations and calculations by the Chamber of Commerce the conclusion was reached that $285,000,000 was a reasonable valuation to place upon the output of local Manufacturing establishments for the year 1900, $300,000,000 for 1901, and $315,000,000 for 1902. Returns and estimates for 1903 indicated that many large concerns increased their output in value, and various others did not increase, and some reported a decrease. In most instances the failure to expand in such comparisons, and the shortcomings, were due to lower prices, rather than lessened volume of products. For 1903 the conclusion was reached that the total was approximately the same as for the preceding year, $315,000,000. The investigations for 1904 resulted in evidence of but little change in the aggregate, compared with 1903, while more or less important changes occurred in specific lines. For instance, in the Vehicle manufacturing industry, in Soap, in Clothing, etc., there were gains in value of the output, while in Machines, Machine Tools, and other lines related to metal interests, there were declines of more or less degree. Returns and estimates which represented

$147,000,000 for 1903, indicated $150,000,000 for 1904. On this evidence the aggregate value of the output of Manufacturing establishments in Cincinnati and its immediate vicinity was placed at $320,000,000 for 1904. The returns received for 1905 reflect much variableness, and as in previous years are largely short of completeness as to the aggregate for all the manufacturing output. The conclusion is reached that the value of products of all local factories in 1905 was 3 to 5 per cent greater than for the preceding year, and that $330,000,000 fairly represents the comparison with the figures stated for previous years.

Local industries of special prominence include Woodworking Machinery, Machine Tools, Machinery and Engines of every kind, Vehicles, Soap, Metal Products of every description, Clothing, Shoes, Leather, Harness and Saddlery, Furniture, Bank, Bar and Office Furnishings, Distilling and Brewing, Printing, Printing Ink, Playing Cards, Chemicals, Pianos, Lumber, Pork and Beef Products, Fire-proof Safes, Tight Cooperage, etc.

The exportation of products of the factories of Cincinnati has been large in recent years, covering a wide range of articles, notably Machinery of all kinds, Machine Tools, Soap, Oils, Pianos, Decorative Pottery, Whiskies, Pharmaceutical Products, Stoves, Furniture, Office Furnishings, etc.

## BANK CLEARINGS.

By the consolidation which reduced the number of local National Banks about a year ago, from thirteen to ten, there was a reduced basis for bank exchanges for an equal amount of business represented by bank patronage. This condition had its influence in the usual comparisons promulgated weekly and monthly, and in the yearly total, which for 1905 fell a little short of the figures for the preceding year, the aggregate being $1,204,529,000, compared with $1,222,815,000 for 1904, and an annual average of $1,045,300,000 for five years prior to 1905. The exhibit for 1905 indicates an increase of 50 per cent over the figures for 1900.

## INTERNAL REVENUE COLLECTIONS.

Collections in 1905 by the local Internal Revenue office represented a total of $12,777,241.75, compared with $12,039,015 for 1904, and an annual average of $12,072,000 for five years prior to 1905. The collections for the past year represented the following: Distilled Spirits, $9,916,395.78; ($46.50 for export stamps); Beer, $1,419,099.50; Tobacco Products, $1,024,981.21; from Miscellaneous Sources, $259,988.70; Special Taxes (licenses, etc.), $156,730.26.

## BANKS AND BANKING CAPITAL.

There are ten National Banks in Cincinnati, having a combined capital of $11,800,000. There are seventeen private Banks and Savings Banks, representing capital of $3,265,000. Also, in Covington, four National Banks, with capital of $1,150,000; in Newport, two National Banks, with capital of $200,000, and a Savings Bank, with capital of $50,000. Total for Banks, $16,465,000. Surplus and undivided profits represent a total about equal to the entire capital.

The following statement shows the Banking Capital of Cincinnati, and of the National Banks of Covington and Newport, for 1906:

| | |
|---|---|
| CINCINNATI NATIONAL BANKS— | |
| First National Bank | $5,000,000 |
| Second National Bank | 500,000 |
| Third National Bank | 1,200,000 |
| Fourth National Bank | 500,000 |
| Fifth National Bank | 1,000,000 |
| Atlas National Bank | 400,000 |
| Citizens National Bank | 1,000,000 |
| German National Bank | 500,000 |
| Market National Bank | 500,000 |
| Merchants National Bank | 1,200,000 |
| OTHER BANKS, ETC.— | |
| Franklin Bank | 240,000 |
| Western German Bank | 250,000 |
| Brighton German Bank | 100,000 |
| City Hall Bank | 100,000 |
| Northside Bank | 50,000 |
| S. Kuhn & Sons | 50,000 |
| Union Savings Bank and Trust Co. | 500,000 |
| Cincinnati Trust Co. | $500,000 |
| Central Trust and Safe Deposit Co. | 500,000 |
| Provident Savings Bank and Trust Co. | 500,000 |
| Cosmopolitan Bank and Savings Co. | 100,000 |
| Security Savings Bank & Safe Deposit Co. | 100,000 |
| Stock Yards Bank and Trust Co. | 100,000 |
| Helvetia Savings and Banking Co. | 50,000 |
| Home Savings Bank Co | 50,000 |
| Southern Ohio Savings Bank Co. | 25,000 |
| Unity Banking and Saving Co | 50,000 |
| COVINGTON— | |
| First National Bank | 300,000 |
| Farmers and Traders National Bank | 300,000 |
| German National Bank | 350,000 |
| Citizens National Bank | 200,000 |
| NEWPORT— | |
| German National Bank | 100,000 |
| Newport National Bank | 100,000 |
| Central Savings Bank and Trust Co. | 50,000 |

## EXPORTABLE PRODUCTS.

As a result of inquiry by the Chamber of Commerce concerning lines of Product being exported, and which can be furnished for such trade by local establishments, it is found that the list is a long one, among which are the following:

Woodworking machinery, for furniture and chair factories, car and railroad shops, and all other varieties.

Machine tools, steam engines, gas and gasoline engines, automobile engines, boilers, steam pumps and power pumping machinery, hot-air pumping engines, shaping machines, drills, tool grinders, steam fire engines, gas holders and gasworks apparatus, patterns, etc.

Machinery for laundry purposes, electrical plants, druggists, chemists, bakers, paint manufacturers, sugar mills, cider mills, saw mills, flour and other cereal products, breweries, elevators, air compressors, etc.

Planing machines, lathes, hangers, iron pulleys, wood split pulleys, washer castings, and metal castings of every description, iron pipe, iron fence, iron and steel fence posts, structural and ornamental iron work, jail and prison work, barbed and plain wire, iron specialties, fire hydrants, hydraulic plug tobacco machinery and kindred supplies, stop valves, valve boxes, tin and terne plate, machinery and metal products generally.

Saddlery, harness, leather goods in great variety, leather belting, oak-tanned sole and harness leather, carriage and furniture leather, bark-tanned sheep leather, pickled sheepskins for gloves and wool, etc.

Electrical, hydraulic and other power elevators, street railroad generators, printing press electrical equipments, motors, dynamos, steam pipe and boiler coverings, flexible cement roofing, calliopes, stationers' hardware and specialties, ice-cream freezers, sausage machinery, sausage casings, peanut and coffee roasters, rice and coffee hullers, galvanized iron cans for artificial ice works, all kinds of black and galvanized steel tank work, galvanized iron and steel sheets, kitchen ranges, gas and oil stoves and ranges, kerosene burners for heating purposes, etc.

Light vehicles, fine carriages, road wagons, delivery wagons of all kinds, automobiles, hearses, undertakers' goods, filing cabinets, office desks, bookcases, sideboards, furniture in variety, mattresses, hardwood mantels, piano stools, veneers, bicycles, hall racks, etc.

Brass goods of all kinds, including brass bedsteads and furniture; copper ware, distillery equipments, varnishes, japans, printing inks, oils and dry colors for printing ink purposes, pharmaceutical products, sal soda, bicarbonate soda, anti-rust paint, boiler compounds, paper boxes, knock-down cooperage for beer, wine, whisky, alcohol, etc.

Soaps in full variety, starch, stearic acid, candles, distilled red oil, lard oil, perfumery, printing, lithography, cigars and cheroots, smoking tobacco, chewing tobacco, general confectionery, table sauce, gelatine, curled hair, feathers, etc.

Boots and shoes, clothing, uniforms, army supplies, military goods, lodge supplies, flags, tents, decorative material, cordage, cotton belting, braided cord, wickings, billiard tables, bungs, etc.

Pork and beef products, flour and other cereal products, canned goods, starch, bottled whiskies, beer, glycerine, vinegar, table sauce, pickles, etc.

Pianos, piano players, Rookwood pottery, and other works of art, and decorative material, metal picture frames, street car equipments, etc.

## THE NATIONAL BOARD OF TRADE.

The Cincinnati Chamber of Commerce participated in the organization of the National Board of Trade, at a meeting in Philadelphia, in June, 1868, and has maintained membership in it from the beginning. The thirty-fifth annual meeting was held at Washington on January 16, 17 and 18, 1906, when the Chamber of Commerce was represented by JAMES T. MCHUGH, H. LEE EARLY, CHARLES B. MURRAY, ROBERT W. WISE and J. F. ELLISON.

The membership under the original plan represented constituent bodies organized for general commercial and not for special or private purposes, each association being represented by delegates allotted with relation to the number of members in such associations. At the meeting in January, 1905, it was provided that individuals may become associate members, and at the 1906 meeting there was reported sixty-five such memberships. In 1868 there were thirty-two organizations represented in the original membership. For 1906 there were sixty-two constituent bodies represented by the membership.

The propositions before the meeting in January, 1906, included the following subjects from the Cincinnati Chamber of Commerce: Interstate Commerce Law; Inland Navigation Improvements; Consular Service; Trade Relations with Canada; International Arbitration; Free Alcohol for Industrial Uses; Parcels Post; International Standards; Government Inspection of Grain. As chairman of the standing committee on crop reports Mr. MURRAY submitted a comprehensive report upon this important matter, and participated in the committee work of the Inquiry and Advisory Committee on Agricultural Statistics.

## WEATHER BUREAU SERVICE.

The Chamber of Commerce membership has continued to be served with daily postings on the weather map of meteorological conditions, under charge of Mr. S. S. BASSLER, Local Forecaster, who has been attentive to the calls upon his office for information. Additional to the reports of atmospheric conditions at points of observation throughout the country, there have been received, as heretofore, a large number of daily telegraphic reports of stages of navigable rivers tributary to this city, which have been posted on 'Change, with comparisons. Such information is of particular interest to persons concerned in river traffic and transportation, the coal trade, local merchants, etc., notably in times of high-water and low-water conditions, ice movement, etc.

A full Weather Summary for the year, from Mr. BASSLER'S office, prepared especially for this report, will be found on pages following the general tabular exhibits.

## POPULATION DATA.

Census reports show the following for Cincinnati: For 1810, 2,540; 1820, 9,642; 1830, 24,831; 1840, 46,338; 1850, 115,435; 1860, 161,044; 1870, 216,239; 1880, 255,139; 1890, 296,908; 1900, 325,902.

These figures represent returns within corporation limits, beyond and outside of which there is a large number which represent a part of the centralization of

population, consistently belonging to Cincinnati. A part of this additional population is on the opposite side of the Ohio River, which can not be covered by the corporation limits of Cincinnati because of the state line separation. It is within reason to say that Cincinnati and its belongings represents a population of over 550,000.

## RAINFALL AT CINCINNATI.

The total rainfall at Cincinnati as recorded by the United States Weather Bureau was 38.69 inches, compared with 29.54 inches for 1904, and an annual average of 32.86 inches for ten years prior to 1905. The high monthly record was for May, 9.52 inches; the low record was for July, 1.04 inches.

For the period of seventy years, 1835 to 1904 inclusive, the annual average is 41.36 inches. Elsewhere in this report is a table of monthly and yearly averages for sixty-two years, 1844 to 1905, inclusive, with averages for each month of the year for the period from 1835 to 1850, to 1860, to 1870, to 1880, to 1890, to 1900, and to 1905. For periods of ten years, from 1841 to 1900, inclusive, the annual averages by months were as shown in the following, representing inches, and monthly averages for 1905:

| MONTHS. | 1841-50 | 1851-60 | 1861-70 | 1871-80 | 1881-90 | 1891-1900 | 1841-1900 | 1905 |
|---|---|---|---|---|---|---|---|---|
| January | 4.25 | 2.01 | 3.76 | 4.03 | 2.63 | 3.43 | 3.52 | 1.80 |
| February | 3 15 | 3.73 | 2.40 | 3.09 | 4.84 | 2.90 | 3.35 | 1.76 |
| March | 4.39 | 3.05 | 3.93 | 3.95 | 3.15 | 4.01 | 3.75 | 2.46 |
| April | 3.22 | 4.20 | 3.21 | 3.18 | 2.91 | 2.60 | 3.22 | 3.14 |
| May | 3.77 | 4 23 | 4.14 | 3.38 | 4.04 | 3.15 | 3.79 | 9.52 |
| June | 5.63 | 3 80 | 3.97 | 4.90 | 4.22 | 2.98 | 4.25 | 2.36 |
| July | 5 15 | 3.49 | 4.15 | 5.02 | 2.42 | 3.52 | 3.96 | 1.04 |
| August | 4.81 | 3.27 | 3.36 | 4.65 | 3.53 | 2.80 | 3.74 | 4.66 |
| September | 3.42 | 2.60 | 4.42 | 2.11 | 2.63 | 2 40 | 2.93 | 1.54 |
| October | 3.52 | 2.73 | 2.42 | 2.37 | 3.02 | 1.50 | 2.59 | 4.85 |
| November | 3.36 | 3.80 | 2.25 | 3.47 | 3.28 | 3.49 | 3.27 | 2.75 |
| December | 5.12 | 3.87 | 2.76 | 3.80 | 2.82 | 2.23 | 3.43 | 2.81 |
| Average | 49.79 | 40.78 | 40.77 | 43.95 | 40.49 | 35.01 | 41.80 | 38.69 |

## RAILROAD TRANSPORTATION INTERESTS.

The railroad systems and lines entering Cincinnati are the Baltimore & Ohio Southwestern, the Chesapeake & Ohio, the Cincinnati, Hamilton & Dayton, the Cincinnati, New Orleans & Texas Pacific, the Cleveland, Cincinnati, Chicago & St. Louis (New York Central Lines), the Louisville & Nashville, the Pittsburg, Cincinnati, Chicago & St. Louis (Pennsylvania Lines), the Norfolk & Western, the Erie, the Cincinnati, Lebanon & Northern.

The freight business at Cincinnati, representing commodity movements in and out of the city, were considerably increased in 1905, but precise statements of the tonnage can not be offered, as a portion of the lines are unable to readily furnish such details. Last year the estimate offered for 1904 was 20,000,000 tons for the local railroad traffic, and there is reason for regarding this as probably an understatement. For 1905 the total is estimated as 23,000,000 to 25,000,000 tons.

During 1905 there was much done by the railway lines for betterment of terminal conditions here, and for enlargement of facilities for movement and

handling of goods. The Cincinnati, New Orleans & Texas Pacific (Cincinnati Southern) has made important progress in the work of providing enlarged terminal accommodations. This line also has pushed forward the double-tracking of a portion of the distance where needed to facilitate train movements. The Louisville & Nashville Railroad has made considerable progress in work upon its enlarged terminal arrangements and connections. This railroad has completed its new line from Knoxville to Atlanta, and now has two routes from Cincinnati to the South—one by way of the Kentucky Division through Covington, Winchester and Knoxville to Atlanta; one through Newport, Louisville, Nashville, Mobile and New Orleans to the Southwest. The Baltimore & Ohio Southwestern had completed its freight handling terminals prior to 1905, and enjoys excellent facilities in these particulars. The Pennsylvania system (the P., C., C. & St. L., the C., L. & N., etc.) secured extended space in the vicinity of Front and Broadway, made a high grade yard approach to the C., L. & N. from Hunt Street, with other betterments. This line secured control of the L. & N. bridge over the Ohio River here.

When the projects now in hand and under way at Cincinnati for accommodating the requirements of freight and passenger business reach completion, this city will command such facilities as will enable it to serve the public with a full degree of satisfaction, comparing favorably with the best elsewhere.

## RIVER TRANSPORTATION INTERESTS.

The period of navigable stage of the Ohio River was unusually prolonged in 1905, by which ordinary craft were in service a large part of the year. The record of the river gauge at Cincinnati for 6 o'clock A. M. daily, was not as low as 6 feet for any day in the year, the lowest point being 6.5 feet in October. For 1904 there were 130 days showing less than 6 feet; previously, 49 for 1903; 68 for 1902; 39 for 1901; 74 for 1900; 76 for 1899; 13 for 1898; 65 for 1897; 6 for 1896; 134 for 1895, etc. For the period of ten years prior to 1905 there were 654 days with the river stage record below 6 feet—an annual average of 65.4 days, or about 18 per cent of the entire period. This means a serious interruption to facilities for the movement of ordinary freights and coal, to the inconvenience of industrial interests in this region.

The lowest stage of water in the Ohio River at Cincinnati in 1905 was 6.5 feet, October 11; the highest stage, 48.2 feet, May 16; average for the year, 18.2 feet. Yearly averages previously indicate 14.5 feet for 1904; 17.9 for 1903; 16.8 for 1902; 17.2 for 1901; 13.8 for 1900, etc. For five years the annual average is 16 feet.

With reference to the Ohio River stages it may be observed that a 6-foot stage at Cincinnati does not imply an equal stage either upstream or downstream. As a rule a 6-foot stage at Cincinnati would imply less than 4 feet for navigation between this city and the Kanawha River, and less than 3 feet for navigation to Pittsburg. It would imply 6 feet from Cincinnati to Louisville, under influence of the Falls at the latter point, but less than 5 feet between Louisville and Cairo. A navigable stage of water equal to 6 feet between Cincinnati and Pitts-

burg under existing conditions does not average more than eight of the twelve months of the year. The feature of uncertainty of periods of such interruptions to navigation seriously interferes with arrangements being made for transportation of commodities and raw material.

There were 29 steamers engaged in freight and passenger traffic on the Ohio River in 1905 in service between Cincinnati and other ports, representing a total of 13,513 tons, compared with 30 steamers, total of 14,048 tons for 1904. Two steamers destroyed in 1905, the "Hudson," burned at Cincinnati February 6, and the "Big Kanawha," wrecked by the ice gorge near Maysville, when the ice moved on February 24.

The rainfall at Cincinnati in 1905 was 38.69 inches, compared with 29.54 inches in 1904, and an annual average of 32.86 inches for five years prior to 1905. For the preceding five years the annual average was 35.48 inches.

The extent of freight tonnage to and from Cincinnati by river representing commodity transportation, can not be reliably stated. The business in 1905 was satisfactory to the shipping interests in the extent of offerings of freight and passengers, and in returns from transportation.

A feature of the year was the unusual extent of losses of property incident to the breaking up and movement of ice on the river. This led to conferences among parties interested, and to official action by the Chamber of Commerce, in the appointment by the President of a committee of ten members to inquire into the extent of losses suffered, and to make suggestions or recommendations as to measures for securing protection from such losses in the future. The result of the inquiry was that local parties were shown to have been sufferers to the extent of about $600,000 from the causes here mentioned. The committee urged that an appeal be made to Congress to provide for a survey, with reference to a proposition to construct ice piers at suitable points, as a means for such protection. The committee conferred with Congressmen Longworth and Goebel (of Cincinnati), and on February 22, 1906, Mr. Goebel introduced into the House of Representatives a bill which provided that the Secretary of War be authorized and directed to cause to be made a survey and examination of the Ohio River at or near Cincinnati, for the purpose of establishing a suitable ice harbor. This was referred to the Committee on Rivers and Harbors, and ordered to be printed A similar bill was introduced into the Senate by Mr. Elkins, of West Virginia Members of the Chamber of Commerce Committee visited Washington with a view of securing favorable consideration of the bill by the Committee on Rivers and Harbors, but the Committee did not report the bill to the House. Our committee in its report expressed a belief that at the next session of Congress favorable action may be secured, by which a survey and estimate of cost of ice piers will be provided for.

The subject of improvement of the Ohio River received more attention by the 58th Congress than usual, and action was taken by which the locks and dams incident to the slack water navigation plan previously provided for upon a 6-foot basis were to be constructed upon a 9-foot gauge. Provisions were introduced in the Rivers and Harbors bill by which the Secretary of War was directed to appoint a Board of Engineers from the United States Army Corps to be known as

the Ohio River Board, the duties of which were to complete the survey of the Ohio River from the Big Miami to Cairo, not previously provided for, to report upon the feasibility and advisability of providing for a system of locks and dams for this portion of the river, and upon the comparative desirability of provisions for either a 6-foot or a 9-foot stage. Also, to secure statistics of the present freight tonnage, represented by local and through traffic, and such other information as would serve in preparation of a statement of tonnage to be expected to be moved under the plan for securing a continuous navigable stage under permanent improvements. In this connection it may be mentioned that the measures which have secured the steps herein referred to for betterment of the navigation of the Ohio River, and development of its resources by introduction of the lock and dam system, have resulted from the persistent efforts of those who have been associated in the organization known as the Ohio Valley Improvement Association, which originated under actions taken by the Cincinnati Chamber of Commerce, and which, with a membership all along the Ohio Valley region, has kept alive the needs of the vast interests concerned in this great waterway, and its possibilities for greater benefits to industrial affairs, locally and otherwise.

In a statement prepared by the Superintendent of the Chamber for the Chairman of the Rivers and Harbors Committee in 1903, there was a compilation furnishing an interesting and instructive illustration of the relative freight charges by railroad and by river. The calculation recognized rates from Cincinnati to Parkersburg by river, 283 miles, and to Cleveland, Ohio, by rail, 263 miles, as one comparison; to Wheeling by river, 377 miles, and to Erie, Pa., by rail, 350 miles, as a second comparison; to Pittsburg by river, 487 miles, and to Buffalo, N. Y., by rail, 438 miles, as a third comparison. The river mileage here represented is 1,147 miles; the aggregate of single rates for each class of freight is 298¾ cents. The rail mileage is 1,051 miles, and the aggregate of single rates for each class is 436½ cents. In each comparison the river distance is somewhat in excess of the rail distance; the total of the rail distance is 8.4 per cent less than the river distance, while the aggregate of the rail rates is 46 per cent in excess of the river rates.

In the statement here referred to it was mentioned that freight rates on the Ohio River average about two-thirds of rail rates for like distances, and would be further lowered under an improvement of the waterway by which continuous business could be maintained, and the cost of transportation reduced incident to the lessening of risks and losses attending movements of crafts on high stages of water. Other advantages which would result from continuous navigation include stability of conditions admitting of time contracts and regular transportation arrangements with railway lines, the movement of coal without detention from the mining districts and incidental risks, the building up of industries along this waterway under the facilities for deliveries of fuel and material advantageously and regularly, the promotion of industry and commerce reaching directly to very many localities not situated on the waterway, but coming within the influence of conditions attending this valley, and in various other ways.

## MARINE WORKS—OHIO RIVER AND TRIBUTARIES.

MAJOR J. G. WARREN, Corps of Engineers, U. S. A., has furnished the following statement of operations during 1905 on work connected with the improvement of the Ohio River under Government appropriations.

### DISTRICT NO. 1.

The work under the charge of this office during the year 1905, has been the operation, care, and extension of slack-water system of navigation on the three canalized rivers, Kentucky, Big Sandy and Muskingum, all tributaries of the Ohio River.

The following is a resume of operations during the calendar year, 1905:

*Kentucky River.*—At the beginning of the year there were 10 locks and dams in operation; No. 10 having been completed late in 1904, thus increasing the length of navigable river 23½ miles, giving a total of 200 miles from the mouth of the river. In March a freshet cut behind Locks 9 and 10, thus putting both locks out of service and reducing the navigable river to 157 miles. At as early a date as practicable work was commenced at No. 9 upon a dam and protection works with a view to restoring the pool level; but, owing to the very wet season, it has not been completed. It is expected that the work at Nos. 9 and 10, both will be completed during 1906, and the locks again put in operation. It is also expected that Dam No. 11 will be completed and opened to navigation during the year. The dams on this river are all of the fixed type, and they and the newer locks are of concrete. The available depth for navigation is 6 feet. The completed locks have been operated throughout the year.

*Big Sandy River.*—There are three locks, with movable dams, in operation on this river; Nos. 1 and 2 having been recently completed. The lifts are the highest of any movable dams in the world, being as follows: No. 1, 22.5 feet at extreme low-water in Ohio River; No. 2, 12.5 feet; No. 3, 12.2 feet. At Louisa the Levisa and Tug Forks meet to form the Big Sandy, which is only 26 miles long. Levisa Fork is navigable for 100 miles, and Tug 60 miles during the wet season. A lock was completed on Tug this year, ready for the gates, and on Levisa one was well advanced to completion. The dams for these locks have not yet been contracted, because no funds have been appropriated. The available depth of slack-water is 6 feet. The completion of the works now under way will give slack-water to points 37 miles from the Ohio on Tug, and 42 miles on Levisa. The dams on this river are of the needle type, differing from those on the Ohio and Kanawha, which are composed of wickets. The first one built (at Louisa), has now been in operation 9 years, and the success of this type of dam has been fully demonstrated.

*Muskingum River.*—The 10 locks and dams have been in use throughout the year 1905. The minimum navigable depth is 6 feet, except Nos. 1 and 4, where it is 3 feet and 5 feet, respectively. The length of slack-water is 84 miles, and during wet weather this is extended 7 miles farther for light-draft boats.

## DISTRICT NO. 2.

The following is a summary of operations for the improvement of the Ohio River during the calendar year 1905:

The U. S. dredges Ohio and Oswego left their winter quarters at Marietta, Ohio, on June 7th, to resume operations at various points between that place and Wheeling, W. Va., and up to the end of July were employed in removing the obstructive portions of bars at Blair Run, Opossum Creek, Reas Run and Newberry Island. Owing to the rapid fall of river which then occurred, the boats were started down stream in order to reach important work near Louisville, but as the low stage was immediately followed by a rise, they were stopped at New Richmond, Ohio, and removed the bar at the mouth of Little Indian Creek. The plant was subsequently taken to Five Mile bar, where dredging was carried on until September 13th, when the river had fallen to a suitable stage for the work contemplated below, and the fleet proceeded to Grassy Flats, 18 miles above Louisville, where the Oswego was set to work, the dredge Ohio being placed in the dry dock of the Louisville and Portland Canal for removing of the bottom plating and lengthening of hull.

The widening of channel at Grassy Flats was continued by the Oswego until the middle of October, when she was sent below to open navigation through the hard bars at Chenault's Reach and Fulton, being assisted in the latter by a dredge borrowed from the Louisville district for temporary service.

The work was continued until the end of November, when high water and cold weather made it necessary to suspend for the season.

The total quantity of material excavated during the season was 142,131 cubic yards. All the dredging was carried to a depth of five feet below low water, and although work was much delayed by the frequent periods of high water, navigation was greatly benefited by the increased width of channel obtained at the various localities.

To meet the urgent demands for dredging throughout the entire length of the Ohio River, and especially on the section below Louisville, additional dredging plant has been authorized for which plans are under consideration.

The protection afforded by the ice piers at Gallipolis in former seasons having led to a general desire of steamboat interests for increasing its efficiency, a contract was made with F. J. and F. C. Duvall, of that place, for a concrete pier placed inside the two existing piers. High water, however, prevented its completion. A contract was also made with W. L. Glazier, of Newport, Ky., for building up the three sections of the concrete ice piers at Maysville, Ky., partially constructed in 1903, to the required height. All work under this contract was completed in September.

Work on the construction or repair of dams and dikes consisted of a contract entered into with Oscar F. Barrett, of Cincinnati, for the extension and repair of dikes at Mound City, Ill., and on which about 8,000 cubic yards of stone was put in place up to the end of November, when high water made it necessary to postpone completion until next season; and repairs made to the dike at Rising Sun, Ind., by hired labor during September and October, likewise interrupted by high water, deferring completion until next year. Careful examinations were made

to ascertain the extent of damage from ice, etc., sustained by the dams at Brown's Island and Marietta Island, in order to provide for the required repairs next year.

The U. S. snagboat E. A. Woodruff was employed in the removal of obstructions from the latter part of April, when she began operations in Cincinnati harbor, until early in December, when severe weather made it necessary to go into winter quarters.

The work of the snagboat for this period comprised two trips over the river between Cincinnati and Pittsburg; one trip between Cincinnati and Point Pleasant; one trip between Cincinnati and Marietta; one trip between Cincinnati and Ashland; one trip between Cincinnati and Manchester; one trip between Marietta and Cluster's Island (51 miles below Pittsburg); one trip between Cincinnati and Louisville; and two trips between Cincinnati and the mouth of the river.

On most of the above journeys obstructions were removed wherever found, both in going and returning. The following obstructions were removed: 876 snags, 86 wrecks of coal barges, coal boats, etc.; 2,141 cubic feet of rocks, and 5,097 cords of drift.

In addition to the snagboat work, 6 wrecks of barges, etc., in the vicinity of Pittsburg, were removed by crews specially organized as occasion required.

Work on Dam 37 at Fernbank, below Cincinnati, under contract with the Sheridan–Kirk Contract Co., has been carried on steadily, except the interference with river work by high stages of river, in clearing the land at the site, assembling and erecting plant, excavating foundations for lock and buildings, placing coffer-dam, and similar operations preparatory to the permanent construction of the lock and dam. For the latter a large quantity of iron work was delivered, the timber coffer-dam for the lock and upper lock gate recess was completed, and considerable advance made in driving piles for foundation of the upper guide wall and concrete masonry of lock and buildings. Active operations on concrete work of lock construction were suspended early in December by severe weather and high water, and after that time were limited to the foundations of the permanent buildings.

CAPTAIN H. BURGESS, Corps of Engineers, U. S. A., Louisville, Ky., has furnished the following details in regard to the tributaries of the lower Ohio River, etc., the information following representing operations in 1905:

*Improving Falls of Ohio River at Louisville, Ky.*—The project for this work contemplates the enlarging of the easterly end of the Louisville and Portland Canal so as to provide a capacious basin or harbor wherein tows may be arranged preparatory to entering or leaving the canal. The main channel over the "Falls," known as "Indiana Chute," is to be straightened, and the water flow concentrated so as to afford an open-river channel, with a depth of 8 feet when that stage of water is shown by the upper canal gauge.

Operations during the past year were restricted to preparations for the construction of 1,000 feet of Boule dam and contract work on the metal work therefor, the removal of a comparatively small quantity of disrupted rock from the enlargement at the head of the canal and the repair of Wave Rock and Willow Point dikes, Indiana Chute.

During the fiscal year ending June 30, 1905, 1,482 steamboats, barges, etc. carrying 509,942½ tons of freight, passed over the "Falls," via the Indiana Chute.

*Louisville and Portland Canal.*—The original canal was constructed by a private corporation in which the United States was a stockholder. Subsequently, Congress authorized the purchase and entire control of the canal, and since that time the canal and locks have been enlarged and greatly improved. The locks are combined, consisting of two chambers, each chamber being 350 feet long and 80 feet wide. The canal is available for traffic and commerce at all stages of water less than 12.7 feet, upper canal gauge, and serves to permit free navigation around the Falls of the Ohio at stages of water when boats can not pass through the open channel.

During the past fiscal year a total of 4,727 passenger boats, towboats, coalboats, barges and small craft, passed through the canal, carrying 732,607½ tons of freight and 10,779 passengers. In addition to the work of passing this traffic through the canal and locks, the usual dredging and ordinary repair work necessary to keep the canal in good condition was done.

*Green and Barren Rivers, Ky.*—The system of improvements on these rivers provides slack-water navigation with a minimum depth of about 5 feet, from Spottsville, Ky., to a short distance above Brownsville, Ky., on Green River, and to Bowling Green, on Barren River, in all about 210 miles. The work of constructing one more lock and dam (No. 6) in Green River, to extend slack water to Mammoth Cave, Ky., was practically completed by the close of the calendar year 1905.

The work accomplished during the year included the passage of traffic through the five locks in Green River and one lock in Barren River, together with the dredging, snagging, and other current repair work necessary to maintain the system in good navigable condition. During the fiscal year ending June 30, 1905, 4,321 steamboats, barges, etc., passed Lock No. 1, Green River, carrying 466,015 tons of freight.

*Rough River, Ky.*—The permanent improvements on this river consist of a lock and dam located about eight miles above the mouth of the river, near Livermore, Ky., and afford slack-water navigation to Hartford, Ky., for boats having a draft not exceeding 4 feet, and 127 feet long and 27 feet wide. The only work of importance during the year was the passage through the lock of 697 steamboats, barges, etc., carrying 55,333 tons of freight.

*Wabash and White Rivers.*—The only permanent improvement in these rivers is the lock and dam at Grand Rapids, Wabash River, 92½ miles above its mouth; the available capacity of the lock is, length 214 feet, width 52 feet. Traffic through the lock during the fiscal year ending June 30, 1905, comprised 1,397 boats, etc., carrying 8,025 tons of freight.

MAJOR GEORGE A. ZINN, Corps of Engineers, U. S. A., has furnished the following summary of the work accomplished on the rivers forming the Wheeling, W. Va., district, during the calendar year 1905:

*Ohio River.*—The year 1905 was unusual in that towboats with tows were able to pass down the Ohio River each month. This stage of water interfered con-

siderably with construction work, and the progress made was, therefore, unsatisfactory.

Dam No. 8.—The T. A. Gillespie Company, of Pittsburg, Pa., has the contract for building lock and guide walls, work under which was commenced July 1, 1904. At the close of the year the entire river wall, 560 linear feet of foundation for and 550 linear feet of land wall, foundation for and 235 linear feet of upper guide wall, and 90 linear feet of upper gate track were completed. The lock chamber was paved for about 400 linear feet.

Dam No. 11.—The building of the lock and guide walls was commenced July 16, 1904, under contract entered into with the Aetna Construction Company, of Wheeling, W. Va. At the close of the year 315 linear feet of land wall, the walls for lower gate recess, and 325 linear feet of foundation for and 215 linear feet of lower guide wall were completed. About 125 linear feet of lower gate track was completed for two-thirds its height.

Dam No. 13.—Work on the lock and guide (part) walls was commenced August 1, 1901, under contract with The Sheridan–Kirk Contract Company, of Nicholasville, Ky. Under this contract the following work was completed: the river and land walls, gate recesses, and tracks of the lock. About 56 linear feet of lower guide wall, 500 linear feet of paving for lock chamber, and the power house foundation were also completed.

Plans were completed and proposals received for building the dam, except bear traps, and contract awarded to The Hollerbach & May Contract Company, of Evansville, Ind.

Dam No. 18.—The lock is completed, except machinery and gates.

A contract was entered into May 18, 1905, with The Baker Contract Company, Inc., of Pittsburg, Pa., for building the dam, except bear traps. Work under this contract was commenced June 1st, and about 360 linear feet of navigation-pass foundation completed.

*Kanawha River.*—Such repairs as were necessary to keep the 10 locks and dams in good condition were made. The new guide cribs for Locks Nos. 2 and 3 were practically completed.

*Little Kanawha River.*—The Government purchased Locks No. 1, 2, 3 and 4 from the Little Kanawha Navigation Company, and took charge of same November 1, 1905, on which date tolls were abolished. These locks are in a bad condition, and preparations are in progress for making the necessary repairs. Lock No. 5, which was built by the Government, was kept in good condition and operated when the stage of water would permit.

## LIGHTHOUSE SERVICE.

COMMANDER JAMES H. OLIVER, U. S. Navy, Lighthouse Inspector, Fourteenth District, has furnished the following data for the year 1905:

The Fourteenth Lighthouse District extends on the Ohio River from Pittsburg to Cairo, in all 966 miles; on the Kanawha, 73½ miles; on the Tennessee, 255½ miles; all told, 1,295 miles, and embraces all aids to navigation within these limits. Inspector in Charge, COMMANDER JAMES H. OLIVER, U. S. N., who relieved LIEUTENANT-COMMANDER A. P. OSBORN, U. S. N., as Inspector, October 15, 1905. There are in the district:

| | |
|---|---|
| Post lights | 499 |
| Floating lights | 39 |
| Day marks | 9 |
| Steam tender Golden Rod, for inspection and supply | 1 |
| Bridges over the navigable streams of this district, whose lighting comes under the supervision of this office | 199 |

The lights of the district were all painted and supplied during the year and left in good condition. There were some changes made by shifting lights on account of the channel changing, all of which were made known to the steamboat interests by advertising. The lights were well and faithfully tended, and few complaints were received.

There were 4 lights established; 3 discontinued; 29 reset; 14,993 trees cut (over 4 inches), and some 22 acres of brush cleared away.

The Golden Rod steamed some 6,100 miles in the discharge of her duties, and secured for the winter in the Louisville and Portland Canal.

## RANGE IN WATER STAGES AT CINCINNATI.

Low and high Stages of water in the Ohio River, at Cincinnati, from daily official records at 6 o'clock, A. M., for each month in the years indicated, as compiled by the Cincinnati Chamber of Commerce:

| MONTHS. | 1905 | | 1904 | | 1903 | | 1902 | | 1901 | | 1900 | | 1899 | | 1898 | | 1897 | | 1896 | | 1895 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Low. | High | Low. | High | Low. | High | Low. | High | Low. | High | Low. | High | Low. | High | Low. | High | Low. | High | Low. | High | Low. | High |
| January | 9.4 | 24.0 | 10 7 | 43.6 | 14.7 | 37.0 | 8.8 | 44.0 | 9.6 | 28 8 | 7.3 | 31.8 | 19.0 | 41.8 | 13.8 | 52.2 | 9.3 | 17.8 | 7.5 | 24.2 | 8.3 | 48.4 |
| February | 8.6 | 33.7 | 13.0 | 30.2 | 23.2 | 49.4 | 8.4 | 41.7 | 8 3 | 20.9 | 11.2 | 37.3 | 11.5 | 39.0 | 13.3 | 36.9 | 10.1 | 61.1 | 12.3 | 33.9 | 10.4 | 18.5 |
| March | 18.2 | 48.1 | 19.7 | 45.9 | 26.2 | 53.1 | 16.4 | 50.9 | 7.6 | 36.4 | 19.4 | 36.8 | 24.2 | 57.2 | 15.0 | 61.4 | 30.2 | 55.6 | 12.5 | 35.8 | 14.8 | 36.8 |
| April | 14.0 | 31.3 | 14.8 | 44.3 | 22.8 | 44.4 | 14.4 | 42.2 | 23.9 | 59.7 | 13.9 | 23.0 | 14.4 | 51.6 | 16.5 | 56.5 | 15.1 | 36.2 | 15.5 | 47.7 | 12.8 | 33.9 |
| May | 12.9 | 48.2 | 10.7 | 33.9 | 7.6 | 23.0 | 9.0 | 19.0 | 16.0 | 51.2 | 9.3 | 16.0 | 11.7 | 23.5 | 16.9 | 28.0 | 12.0 | 35.0 | 7.8 | 17.8 | 10.3 | 17.2 |
| June | 11.9 | 24.2 | 9.7 | 28.8 | 10.3 | 17.7 | 8.0 | 22.0 | 17.7 | 40.0 | 8.4 | 16.8 | 11.0 | 18.7 | 8.1 | 18.8 | 9.0 | 20.7 | 8.9 | 22.8 | 4.6 | 10.1 |
| July | 12.8 | 21.0 | 7.1 | 22.3 | 9.3 | 17.1 | 12.6 | 27.5 | 7.4 | 23.8 | 7.4 | 13.3 | 6.5 | 11.0 | 6.2 | 11.0 | 9.1 | 24.8 | 9.8 | 40.5 | 4.6 | 12.5 |
| August | 9.2 | 19.0 | 5.4 | 7.3 | 5.0 | 9.1 | 5.8 | 15.6 | 5.8 | 12.7 | 4.9 | 14.3 | 4.0 | 13.5 | 11.2 | 39.2 | 7.5 | 18.0 | 10.0 | 41.9 | 5.0 | 9.0 |
| September | 6 8 | 14.2 | 3.7 | 6.8 | 5.1 | 14.3 | 3.9 | 5.7 | 7.4 | 14.0 | 3.5 | 7.7 | 3.8 | 7.0 | 6.9 | 10.8 | 3.2 | 7.1 | 5.5 | 9.3 | 3.9 | 6.5 |
| October | 6.5 | 20.0 | 3.3 | 4.9 | 4.5 | 11.7 | 4.4 | 12.3 | 4.8 | 8.9 | 3.2 | 11.4 | 3.5 | 4.4 | 4.5 | 24.8 | 3.0 | 4.2 | 9.9 | 25.4 | 2.3 | 4.4 |
| November | 10.2 | 20.5 | 3.7 | 5.5 | 4.5 | 16.5 | 4.9 | 15.5 | 4.2 | 11.4 | 4.7 | 39.0 | 3.4 | 9.3 | 10.3 | 26.8 | 3.2 | 13.6 | 9.8 | 21.4 | 2.4 | 5.4 |
| December | 16.0 | 40.0 | 3.4 | 11.8 | 5.8 | 22.8 | 15.2 | 47.0 | 11.1 | 39.5 | 7.8 | 40.0 | 6.3 | 23.0 | 10.4 | 31.9 | 12.0 | 25.5 | 10.1 | 29.2 | 4.5 | 21.8 |
| Year | 6.5 | 48.2 | 3.3 | 45.9 | 4.5 | 53.1 | 3.9 | 50.9 | 4.2 | 59.7 | 3.2 | 40.0 | 3.4 | 57.2 | 4.5 | 61.4 | 3.0 | 61.1 | 5.5 | 47.7 | 2.3 | 48.4 |

# THE CITY OF CINCINNATI.

The City of Cincinnati, bordering on the Ohio River, which represents a line between States, is deprived of the significance which it really has in comparisons of population, for the reason that a large portion of this centralization is separated from the records of the city corporation. The city proper and the adjacent belongings represent considerably over 500,000 of population, probably more than 550,000. The growth is not rapid. The locality is one of steady and substantial progress in development. The climate is healthful and agreeable. The surroundings are interesting to the observer for the variety and picturesqueness of scenery and conditions. The facilities for rapid transit in and about the city are unexcelled.

The industrial activities of this locality largely represent manufacturing operations, covering a wide range of lines and interests. The number of establishments, large and small, reaches about 8,000. The capital employed is about $150,000,000. The value of real estate occupied is about $75,000,000. Number of hands employed, about 120,000. Value of product in 1905, about $330,000,000. In various lines our city leads, and in many others is notably prominent, in comparison with other manufacturing centers. In the past ten years there has been decided industrial growth, as evidenced by the increase in the yearly comparisons of value of local manufactures, while the average of prices has been lowered.

No other large city in the country equals Cincinnati in value of its output of local factories in proportion to population. No other city enjoys a higher reputation for the quality of its products, which find distribution to other markets of the world.

Much has been done in the past by manufacturing establishments at Cincinnati in furnishing products for exportation to foreign markets, and in this there is an increasing volume of operations, and enlargement of lines of articles for such distribution. The high reputation acquired for our products, with the favorableness of cost, are elements calculated to secure a further expansion in this direction.

The proximity of this industrial center to sources of supply of raw materials that enter into the production of staple products of commerce forms a basis for advantageous and profitable operations of manufacturing establishments. This applies especially to iron, coal, hardwood, salt, etc.

Cincinnati is the largest city near the center of population of the United States. Its resources for fuel are the regions of Pittsburgh, Virginia, West Virginia and Ohio, available by cheap water and rail transportation. This fuel is of the highest grade for steam-producing purposes, as well as for domestic uses.

Cincinnati commands not only the advantages of the great railway systems centering here, diverging in all directions, and through their connections reaching all sections of the country with shorter average distances and lower average cost than any other large city, but also has the benefit of the water transportation afforded by the Ohio River and tributaries, and its connection with the Mississippi River and tributaries, thus combining incomparable facilities and advantages for the movement of materials and products of industry. It is especially favorably situated with reference to trade with the West Indies, Central America, South America, etc.

A recent computation in regard to relative cost of freight from points of origin to all parts of the United States resulted in the following comparisons of averages per 100 pounds: From Cincinnati, 81 cents; Chicago, 84 cents; St. Louis, 88 cents; Minneapolis, $1.22. A similar computation applicable to a radius of 600 miles from the point of origin gave the following averages per 100 pounds: From Cincinnati, 66 cents; Chicago, 73 cents; St. Louis, 75 cents; Minneapolis, $1.11.

Cincinnati is the central market for hardwood lumber from the forests of Kentucky, Tennessee and West Virginia. The development of iron and steel production in Alabama and Tennessee brings this market into ready command of these products from sources of lowest cost. Incident to such facilities, this city has always had high-class skilled labor.

The many lines of prominent industry in this city include the manufacture of clothing, shoes, soap, leather, harness and saddlery, vehicles, furniture, machinery for woodwork and all other purposes, machine tools, office and bank equipments, veneering, regalia and lodge goods, school books, lithographic and other high-class printing, printing inks, whisky, beer, pork and beef products, pianos and other musical instruments, electrical equipments, decorative pottery, cooperage, etc. It is the most prominent market in the distribution of White Burley tobacco. It leads in the manufacture of various lines of products.

Cincinnati is one of the best paved cities in the country, its streets the cleanest, the drainage the best. It is provided with a system of electric transit facilities which has no superior, and is believed to be not equaled elsewhere in the United States. This is attended with transfer privileges of an exceptionally favorable nature. The city is well provided with public parks, which with the suburban regions easily accessible by the electric and steam car lines and river steamers, afford the masses excellent opportunities for outing trips and recreation.

The educational facilities of Cincinnati are superior, including all the branches of free public schools, from the higher courses of the University, the colleges of law, medicine, dentistry, pharmacy, technology, theology, etc. The Art Academy and College of Music are of highest repute in the country. The libraries, reading rooms and museums afford admirable privileges. The many clubs promote literary, political, business and social interests and friendly intercourse.

Cincinnati is well provided with places of entertainment, including its great Music Hall and many theatres. Its free concerts in the parks are a special feature. Its suburban resorts, accessible by street railway and by river steamers, and its incomparable Zoological Gardens, are attractions of much merit.

Cincinnati has the finest fountain in the country, the gift of a private citizen, Mr. HENRY PROBASCO. Its public-spirited citizens have been and are numerous, contributing to the welfare of the city through the benefits to be derived from parks, from schools of art and of music, from the erection of a great Music Hall and Art Museum, from hospitals and fresh air homes, flower market, and in many other ways advancing the higher interests of the community through their munificence and intelligent consideration. The city is provided with splendid municipal and federal buildings, and a Chamber of Commerce Building of surpassing architectural impressiveness, with a large and increasing number of high class, modern business structures.

Cincinnati is provided with the best of police and fire protection, giving exceptional security to life and property.

Cincinnati is favored in banking facilities, savings institutions, and building associations.

The churches of Cincinnati embrace nearly every denomination, and are noted for being in charge of ministers of high order of intelligence and power in the dissemination and encouragement of religious and moral principles.

Cincinnati is provided with excellent hotels, and high-class restaurants, with comparatively moderate charges for services rendered.

The climate of Cincinnati compares most favorably with other sections of the country. It is not attended with the extremes of temperature experienced elsewhere. In healthfulness, the locality ranks with the best in the country. In food resources, the great variety, high quality, and comparative cheapness of products here available count favorably for the laboring classes. Similar conditions relating to economy in living expenses apply to clothing, fuel, gas, etc.

This locality is conspicuously an industrial one, and has thus retained and attracted to the place a working class, which commands the necessaries of life on an economical basis. With these conditions, and the extent of such population centralized here, with unexcelled facilities for transportation distribution, manufacturing interests find Cincinnati an especially advantageous locality.

Five bridges connect Cincinnati with the southern shore of the Ohio River, in Kentucky, by which means freight and passenger traffic in that direction is provided for, as well as important facilities for reaching residence localities for business men and the artisan classes. These bridges are from 1,489 to 1,648 feet in length, exclusive of approaches.

The Cincinnati Chamber of Commerce will give careful attention to any inquiries which may be made in regard to the opportunities of this locality for industrial enterprises. Real estate is abundantly available, favorably situated, and at relatively moderate cost.

# THE CINCINNATI CHAMBER OF COMMERCE.

[A sketch of the organization of the Cincinnati Chamber of Commerce and of incidents of a historical nature relating to it appeared in the Annual Report for 1902.]

The Cincinnati Chamber of Commerce represents one of the oldest and most prominent of the trading exchanges in the country. It possesses a building and an Exchange Hall unexcelled in attractiveness, and a monument to the enterprise of the business men of this city. Its members assemble daily, to effect transactions in grain, flour, hay, seeds, provisions, whisky, coal, country produce, lumber, real estate and various other lines, and to arrange for freights, insurance, investments, option deals, etc. The Exchange is provided with very complete telegraphic market information, covering prominent domestic and foreign markets, relating to breadstuffs, provisions, live stock, and other interests, as well as quotations of the New York Stock Exchange, weather reports, river stages, etc. Its facilities are promotive of the interests of manufacturers, of jobbers, of traders, of investors, and of many others. Its social advantages are important. It is an agreeable place to invite visitors sojourning in the city. It furnishes opportunity for citizens to greet and to listen to expressions from persons of eminence and celebrity.

The Chamber of Commerce maintains appropriate rules for the conduct and regulation of trade operations, and obligations incident thereto. It appoints inspectors, weighers, gaugers and measurers, and supervises and regulates their acts. It provides for the settlement of differences, disputes and misunderstandings arising between business men. It accords to non-members having controversies with members equal privileges and consideration in hearings of such cases, and fulfillment of obligations to non-members. It has acted on questions of freight inconsistencies and discriminations, securing relief locally from such unfavorable conditions.

The Chamber of Commerce as an Association is influential as a deliberative body. The organization, in general session and through the meetings of its Board of Directors, gives much of judicious attention and support to public measures, of a local and general nature. Its conservative treatment of such questions has secured for it marked recognition and consideration. It has from the beginning of the National Board of Trade maintained membership in that body, and contributed its share in the work accomplished by it in advancing public interests. It was prominent in organizing the Ohio State Board of Commerce. It was at the front in bringing into existence the Ohio Valley Improvement Association, the labors of which have been notably important in securing Governmental attention to slack-water navigation projects, which promise to be greatly beneficial to this region and this locality. It acted in advance of other bodies in the work of originating and promoting Weather Bureau plans, and in aiding the introduction of methods by which this service has become valuable beyond computation. It initiated action resulting in the organization of the Industrial Bureau of this city.

# STATISTICAL EXHIBITS

OF THE

# CINCINNATI CHAMBER OF COMMERCE

AND

# MERCHANTS' EXCHANGE,

FOR THE YEAR 1905,

# WITH COMPARISONS.

## RECEIPTS AT CINCINNATI.

Receipts of Principal Commodities, for six calendar years, as indicated, according to records of the Chamber of Commerce:

| ARTICLES. | 1905 | 1904 | 1903 | 1902 | 1901 | 1900 |
|---|---|---|---|---|---|---|
| Ale, Beer and Porter, bbls | 64,154 | 29,546 | 33,163 | 48,953 | 30,460 | 34,353 |
| Apples, Green, bbls | 299,891 | 416,991 | 390,203 | 356,653 | 222,087 | 351,862 |
| Barley, bush | 1,171,779 | 1,025,936 | 886,755 | 817,909 | 1,094,427 | 1,173,742 |
| Beef, lbs | 1,194,178 | 658,854 | 537,329 | 194,801 | 200,730 | 79,490 |
| Boots and Shoes, cases | 305,870 | 295,434 | 305,833 | 374,027 | 341,961 | 314,174 |
| Bran, Middlings, etc., tons | 50,616 | 43,041 | 38,062 | 78,784 | 60,250 | 46,751 |
| Broom Corn, lbs | 2,970,806 | 1,749,176 | 857,370 | 812,374 | 1,458,759 | 1,313,889 |
| Butter, tubs, firkins, etc | 154,605 | 146,598 | 120,800 | 223,075 | 237,946 | 223,424 |
| Butterine, lbs | 815,439 | 1,033,327 | 1,082,345 | 1,863,762 | 1,320,118 | 2,323,811 |
| Cattle, head | 307,776 | 260,778 | 259,383 | 243,705 | 228,755 | 206,366 |
| Cheese, boxes | 142,148 | 128,490 | 111,989 | 145,484 | 137,402 | 136,897 |
| Coal, bush | 160,820,000 | 118,183,783 | 112,351,891 | 104,600,593 | 91,390,981 | 73,349,035 |
| Coffee, bags | 297,795 | 296,002 | 264,696 | 316,727 | 282,682 | 205,710 |
| Coke, bush | 4,580,000 | 4,186,000 | 4,473,900 | 7,919,000 | 6,723,030 | 3,670,000 |
| Corn, bush | 7,883,222 | 9,570,217 | 10,453,465 | 7,820,048 | 11,783,145 | 14,605,973 |
| Cotton, bales | 176,006 | 148,320 | 103,517 | 179,819 | 233,966 | 201,193 |
| Eggs, cases, etc | 420,604 | 377,263 | 338,327 | 464,799 | 493,218 | 414,623 |
| Feathers, lbs | 1,322,101 | 935,655 | 1,026,542 | 1,171,328 | 1,184,552 | 1,494,008 |
| Flour, bbls | 1,407,167 | 1,524,725 | 1,553,704 | 2,408,058 | 3,031,743 | 2,561,977 |
| Fruit, Dried, lbs | 2,844,830 | 3,566,722 | 3,095,432 | 4,512,244 | 3,284,236 | 4,217,692 |
| Fruit, Green, tons | 23,733 | 31,021 | 20,224 | 17,588 | 14,554 | 20,452 |
| Grease, tierces | 96,748 | 105,518 | 68,786 | 73,613 | 118,182 | 100,023 |
| Hay, tons | 131,220 | 110,371 | 108,091 | 166,909 | 128,143 | 89,911 |
| Hemp, bales, etc | 38,080 | 41,706 | 42,142 | 28,639 | 15,286 | 13,495 |
| Hides, number | 693,229 | 657,284 | 566,231 | 758,507 | 650,772 | 587,400 |
| Hog Product—Bacon, lbs | 1,517,959 | 1,010,103 | 1,241,004 | 1,945,586 | 3,478,375 | 4,973,000 |
| D. S. Meats, loose, lbs | 88,860,064 | 83,917,486 | 85,261,843 | 110,458,369 | 140,641,491 | 111,583,232 |
| D. S. Meats, in boxes, lbs | 5,775,500 | 3,764,500 | 6,436,500 | 10,046,500 | 11,926,500 | 5,498,500 |
| Hams, lbs | 7,136,275 | 5,966,008 | 7,583,283 | 6,575,934 | 11,451,391 | 7,254,135 |
| Lard, lbs | 11,989,341 | 34,903,541 | 25,335,227 | 31,144,879 | 44,827,331 | 51,000,466 |
| Pork, bbls | 4,170 | 3,426 | 1,431 | 7,258 | 7,696 | 4,339 |
| Hogs, head | 1,063,144 | 986,858 | 887,816 | 781,780 | 893,464 | 952,605 |
| Hops, bales | 8,283 | 7,575 | 8,130 | 8,582 | 7,980 | 19,129 |
| Horses, head | 32,760 | 27,786 | 26,456 | 21,490 | 21,286 | 19,826 |
| Iron and Steel, tons | 445,147 | 299,044 | 355,988 | 422,651 | 363,110 | 248,820 |
| Iron and Steel, Scrap, tons | 58,636 | 44,416 | 55,561 | 97,701 | 54,214 | 62,935 |
| Iron, Pig, tons | 588,297 | 592,422 | 602,140 | 743,595 | 603,918 | 458,203 |
| Lead, Pig, lbs | 33,705,009 | 34,201,299 | 25,941,978 | 33,398,808 | 26,329,021 | 29,133,137 |
| Lead, White, lbs | ..... | ..... | ..... | ..... | ..... | ..... |
| Leather, bundles | 256,136 | 230,323 | 259,281 | 308,465 | 291,617 | 237,539 |
| Lemons, boxes | 70,156 | 78,066 | 67,633 | 63,239 | 86,181 | 56,779 |
| Lumber, cars | 68,804 | 61,107 | 64,549 | 96,548 | 73,038 | 55,232 |
| Malt, bush | 1,402,614 | 1,137,655 | 1,186,112 | 1,012,907 | 1,003,481 | 955,445 |
| Meats, Fresh, lbs | 23,434,960 | 17,575,060 | ..... | ..... | ..... | ..... |
| Molasses, bbls | 34,351 | 45,987 | 37,606 | 82,477 | 55,476 | 41,716 |
| Oats, bush | 7,838,767 | 4,991,574 | 5,890,504 | 5,883,009 | 9,260,765 | 7,392,957 |
| Oil, bbls | 677,336 | 520,908 | 475,895 | 590,193 | 531,430 | 346,626 |
| Oranges, boxes | 398,531 | 389,039 | 266,368 | 231,681 | 343,818 | 199,016 |
| Peanuts, bush | 85,550 | 317,484 | 210,334 | 247,095 | 188,850 | 194,826 |
| Petroleum, bbls | 261,032 | 290,792 | 270,784 | 316,747 | 321,734 | 334,893 |
| Potatoes, bush | 1,548,426 | 1,809,011 | 1,808,044 | 1,784,448 | 1,964,379 | 3,202,285 |
| Rice, bbls | 50,220 | 62,094 | 47,426 | 105,447 | 78,439 | 65,739 |
| Rye, bush | 595,758 | 575,923 | 520,695 | 523,024 | 612,206 | 442,215 |
| Salt, bbls | 472,233 | 476,599 | 360,760 | 443,440 | 320,594 | 191,495 |
| Seed—Flax, bush | 4,378 | 3,671 | 3,714 | 2,516 | 2,646 | 1,102 |
| Clover, bags | 27,440 | 29,278 | 31,127 | 52,843 | 36,142 | 35,900 |
| Timothy, bags | 41,018 | 66,787 | 69,943 | 91,107 | 56,696 | 53,500 |
| Other Grass, bags | 114,696 | 84,839 | 119,745 | 85,733 | 95,089 | 100,900 |
| Sheep, head | 509,925 | 504,318 | 511,990 | 507,094 | 409,238 | 371,108 |
| Soap, boxes | 233,078 | 182,890 | 177,718 | 185,378 | 144,791 | 141,326 |
| Starch, boxes | 572,522 | 473,971 | 379,583 | 386,176 | 517,338 | 672,626 |
| Stearine, tierces | 4,074 | 4,162 | 4,063 | 5,182 | 4,503 | 11,320 |
| Sugar, bbls | 290,253 | 284,520 | 263,780 | 335,279 | 288,276 | 263,139 |
| Tallow, tierces and bbls | 65,953 | 59,950 | 48,151 | 59,406 | 63,347 | 61,452 |
| Tobacco, Leaf, hhds | 77,537 | 60,719 | 67,467 | 81,075 | 73,901 | 72,104 |
| Tobacco, Leaf, cases and bales | 64,031 | 42,755 | 65,704 | 52,740 | 60,620 | 63,826 |
| Tobacco, Manufactured, pkgs | 160,187 | 107,219 | 168,438 | 236,829 | 237,515 | 226,149 |
| Turpentine, bbls | 46,790 | 56,958 | 48,049 | 34,742 | 43,700 | 52,387 |
| Vegetables, Green, tons | 39,821 | 39,585 | 31,465 | 34,281 | 27,690 | 23,550 |
| Wheat, bush | 2,844,191 | 1,933,447 | 2,830,463 | 4,988,822 | 4,111,548 | 2,961,211 |
| Whisky, bbls | 217,392 | 247,591 | 241,945 | 389,604 | 422,942 | 370,531 |
| Wines and Liquors, bbls | 18,217 | 19,142 | 26,251 | 44,172 | 31,711 | 26,489 |
| Wines and Liquors, cases and pkgs | 79,958 | 83,412 | 67,967 | 124,361 | 141,013 | 112,182 |
| Wool, bales | 120,053 | 111,878 | 145,660 | 60,324 | 23,572 | 11,983 |

# SHIPMENTS FROM CINCINNATI.

Shipments of Principal Commodities, for six calendar years, as indicated, according to records of the Chamber of Commerce:

| ARTICLES. | 1905 | 1904 | 1903 | 1902 | 1901 | 1900 |
|---|---|---|---|---|---|---|
| Ale, Beer and Porter, bbls | 667,890 | 568,993 | 447,703 | 446,949 | 397,352 | 445,888 |
| Apples, Green, bbls | 145,948 | 203,045 | 204,730 | 134,765 | 128,160 | 154,715 |
| Barley, bush | 188,928 | 22,872 | 28,341 | 8,541 | 55,471 | 222,168 |
| Beef, lbs | 1,589,623 | 787,428 | 220,027 | 495,524 | 561,795 | 287,890 |
| Boots and Shoes, cases | 304,154 | 266,335 | 284,377 | 405,930 | 293,476 | 324,314 |
| Bran, Middlings, etc., tons | 42,271 | 39,288 | 35,508 | 67,014 | 50,726 | 38,462 |
| Broom Corn, lbs | 1,664,149 | 812,068 | 315,775 | 416,907 | 394,400 | 437,982 |
| Butter, tubs, firkins, etc | 68,297 | 47,322 | 45,291 | 36,619 | 29,139 | 32,759 |
| Butterine, lbs | 1,117,864 | 1,047,696 | 1,099,190 | 2,306,416 | 1,409,416 | 636,963 |
| Cattle, head | 127,468 | 96,594 | 114,968 | 92,182 | 78,581 | 64,469 |
| Cheese, boxes | 100,170 | 85,009 | 72,990 | 78,789 | 78,712 | 78,527 |
| Coal, bush | 58,974,000 | 44,676,000 | 39,422,750 | 36,637,747 | 27,254,796 | 14,592,621 |
| Coffee, bags | 261,061 | 238,144 | 180,148 | 251,060 | 246,194 | 156,858 |
| Coke, bush | 7,920,000 | 5,333,000 | 5,462,600 | 6,744,000 | 5,101,000 | 3,423,000 |
| Corn, bush | 3,975,723 | 5,939,189 | 7,110,679 | 4,355,272 | 7,781,473 | 10,902,716 |
| Cotton, bales | 149,299 | 141,755 | 91,134 | 175,737 | 212,172 | 196,847 |
| Eggs, cases | 311,396 | 265,276 | 237,289 | 243,458 | 206,545 | 129,578 |
| Feathers, lbs | 1,122,627 | 964,209 | 893,187 | 782,477 | 906,055 | 1,090,125 |
| Flour, bbls | 903,615 | 1,038,986 | 1,102,959 | 1,898,091 | 2,560,351 | 2,161,805 |
| Fruit, Dried, lbs | 1,266,342 | 1,726,399 | 1,147,407 | 2,165,504 | 2,142,585 | 2,717,099 |
| Fruit, Green, tons | 14,236 | 20,838 | 9,838 | 9,059 | 8,087 | 10,557 |
| Grease, tierces | 31,448 | 11,429 | 11,808 | 24,245 | 70,546 | 61,293 |
| Hay, tons | 78,341 | 55,961 | 60,472 | 91,378 | 63,457 | 38,579 |
| Hemp, bales | 28,040 | 29,433 | 33,695 | 26,281 | 11,546 | 9,455 |
| Hides, number | 593,693 | 548,633 | 502,477 | 631,148 | 451,687 | 319,959 |
| Hog Product—Bacon, lbs | 5,318,932 | 6,328,739 | 6,576,403 | 12,011,547 | 19,420,868 | 18,868,339 |
| D. S. Meats, loose, lbs | 93,842,794 | 90,103,146 | 83,187,081 | 110,387,764 | 139,370,681 | 109,957,719 |
| D. S. Meats, in boxes, lbs | 9,070,500 | 6,395,000 | 7,038,000 | 10,898,000 | 16,291,000 | 9,360,500 |
| Hams, lbs | 10,164,556 | 13,191,777 | 14,358,380 | 15,552,892 | 22,893,822 | 18,272,910 |
| Lard, lbs | 61,036,517 | 47,774,711 | 36,099,790 | 43,649,318 | 58,424,450 | 67,802,658 |
| Pork, bbls | 3,577 | 3,592 | 1,539 | 7,090 | 8,446 | 4,568 |
| Hogs, head | 403,742 | 333,207 | 315,571 | 264,144 | 303,926 | 290,213 |
| Hops, bales | 1,325 | 1,976 | 3,458 | 3,653 | 4,497 | 14,509 |
| Horses, head | 22,991 | 19,231 | 19,067 | 15,282 | 13,874 | 13,648 |
| Iron and Steel, tons | 356,672 | 242,732 | 351,671 | 321,290 | 276,315 | 183,751 |
| Iron and Steel, Scrap, tons | 58,784 | 40,520 | 56,340 | 66,940 | 39,226 | 48,079 |
| Iron, Pig, tons | 383,975 | 446,733 | 514,717 | 691,877 | 520,792 | 364,644 |
| Lead, Pig, lbs | 801,891 | 3,682,999 | 2,814,541 | 1,777,144 | 964,248 | 3,163,755 |
| Lead, White, lbs | 28,268,393 | 25,271,519 | 27,661,879 | 26,797,048 | 18,272,658 | 19,007,473 |
| Leather, bundles | 232,737 | 197,458 | 200,427 | 225,511 | 206,345 | 188,793 |
| Lemons, boxes | 31,108 | 35,112 | 31,435 | 59,518 | 45,850 | 26,901 |
| Lumber, cars | 54,876 | 47,308 | 52,694 | 62,108 | 48,981 | 37,216 |
| Malt, bush | 670,200 | 748,527 | 689,912 | 555,989 | 661,495 | 783,702 |
| Meats, Fresh, lbs | 27,310,966 | 17,516,482 | ..... | ..... | ..... | ..... |
| Molasses, bbls | 29,115 | 35,126 | 35,360 | 48,503 | 36,872 | 35,031 |
| Oats, bush | 5,505,014 | 2,543,992 | 3,735,660 | 3,427,516 | 6,568,562 | 4,315,178 |
| Oil, bbls | 574,235 | 446,744 | 435,548 | 474,346 | 421,772 | 287,092 |
| Oranges, boxes | 212,387 | 199,119 | 192,456 | 132,001 | 168,736 | 91,177 |
| Peanuts, bush | 85,917 | 247,869 | 187,569 | 170,786 | 135,846 | 115,376 |
| Petroleum, bbls | 95,516 | 100,927 | 126,962 | 110,990 | 109,179 | 127,572 |
| Potatoes, bush | 629,370 | 646,168 | 746,450 | 911,356 | 975,298 | 1,207,446 |
| Rice, bbls | 29,232 | 36,198 | 31,665 | 77,231 | 57,933 | 43,591 |
| Rye, bush | 180,662 | 140,678 | 234,817 | 177,334 | 258,890 | 162,653 |
| Salt, bbls | 353,893 | 362,741 | 300,165 | 310,604 | 214,068 | 102,618 |
| Seed—Flax, bush | 1,288 | 1,517 | 1,839 | 2,171 | 2,152 | 614 |
| Clover, bags | 20,054 | 20,378 | 30,289 | 48,348 | 33,709 | 35,300 |
| Timothy, bags | 29,264 | 34,505 | 47,818 | 54,616 | 45,304 | 42,800 |
| Other Grass, bags | 106,839 | 90,446 | 96,148 | 98,330 | 88,364 | 70,300 |
| Sheep, head | 362,737 | 378,496 | 379,430 | 381,791 | 277,248 | 275,104 |
| Soap, boxes | 3,067,590 | 3,038,726 | 2,757,535 | 2,567,447 | 2,497,221 | 1,797,397 |
| Starch, boxes | 453,724 | 360,082 | 620,322 | 913,452 | 1,027,981 | 935,034 |
| Stearine, tierces | 11,253 | 12,428 | 10,747 | 14,923 | 10,732 | 6,410 |
| Sugar, bbls | 127,354 | 112,205 | 101,997 | 142,098 | 134,829 | 109,012 |
| Tallow, tierces and bbls | 6,785 | 4,022 | 6,278 | 9,442 | 5,023 | 7,948 |
| Tobacco, Leaf, hhds | 58,752 | 56,865 | 64,801 | 82,903 | 75,847 | 70,966 |
| Tobacco, Leaf, cases and bales | 28,522 | 23,104 | 51,040 | 32,434 | 36,813 | 25,887 |
| Tobacco, Manufactured, pkgs | 248,736 | 152,545 | 216,103 | 267,068 | 265,382 | 274,508 |
| Turpentine, bbls | 37,984 | 47,326 | 37,779 | 27,827 | 33,105 | 38,738 |
| Vegetables, Green, tons | 21,420 | 16,852 | 14,379 | 16,380 | 9,597 | 7,758 |
| Wheat, bush | 2,284,085 | 1,434,385 | 2,554,036 | 4,412,414 | 3,698,511 | 2,270,728 |
| Whisky, bbls | 405,310 | 428,342 | 423,547 | 567,549 | 586,993 | 505,821 |
| Wines and Liquors, bbls | 12,298 | 11,003 | 18,688 | 23,557 | 17,023 | 15,545 |
| Wines and Liquors, cases and pkgs | 260,430 | 222,131 | 231,003 | 297,167 | 296,909 | 258,713 |
| Wool, bales | 120,842 | 125,442 | 151,524 | 66,220 | 33,503 | 16,503 |

# AVERAGE ANNUAL PRICES OF STAPLE PRODUCTS.

Average annual prices of Staple Articles indicated, at Cincinnati, for commercial years ending August 31, to 1891-92, and calendar years subsequently:

| YEARS. | Butter, Dairy. | Butter, Creamery. | Butterine. | Cheese, Factory. | Eggs, Selected. | Potatoes, Standard. | Apples, Green. | Apples, Dried. | Peaches, Dried. | Coffee. | Sugar, Hards. | Molasses, New Orleans. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Lb. | Lb. | Lb. | Lb. | Doz. | Bush. | Bbl. | Lb. | Lb. | Lb. | Lb. | Gal. |
| 1885-86 | 14.12 | 20.07 | 11.93 | 9.41 | 13.58 | $0 48 | $1 35 | 2.40 | 3.20 | 10.20 | 7.16 | 43.03 |
| 1886-87 | 18.82 | 24.52 | 14.50 | 11.19 | 14.60 | 53 | 2 59 | 3.99 | 5.58 | 16.79 | 6.51 | 42.31 |
| 1887-88 | 17.49 | 23.99 | 15.19 | 10.39 | 15.84 | 88 | 2 20 | 6.03 | 6.97 | 18.99 | 7.40 | 41.50 |
| 1888-89 | 14.66 | 22.01 | 16.29 | 9.69 | 13.50 | 40 | 1 54 | 3.01 | 2.82 | 18.37 | 8.49 | 41.21 |
| 1889-90 | 13.50 | 20.81 | 15.50 | 9.00 | 13.54 | 52 | 2 82 | 3.72 | 3.11 | 20.81 | 7.39 | 40.39 |
| 1890-91 | 14.98 | 22.89 | 16.23 | 9.60 | 16.30 | 97 | 3 49 | 9.07 | 8.16 | 20.87 | 6.12 | 34.60 |
| 1891-92 | 16.33 | 23.92 | 17.25 | 10.17 | 15.77 | 45 | 2 14 | 3.40 | 2.74 | 18.55 | 4.89 | 34.31 |
| 1892 | 17.03 | 24.27 | 18.09 | 10.00 | 15.66 | 55 | 2 50 | 3.35 | 3.10 | 18.73 | 5.04 | 31.73 |
| 1893 | 19.00 | 25.00 | 16.90 | 10.18 | 16.30 | 74 | 2 90 | 5.04 | 4.88 | 20.52 | 5.64 | 33.27 |
| 1894 | 12.88 | 18.92 | 14.97 | 9.75 | 12.41 | 66 | 3 30 | 5.55 | 5.65 | 20.76 | 5.06 | 32.11 |
| 1895 | 10.54 | 17.13 | 14.25 | 9.00 | 13.79 | 49 | 2 02 | 4.52 | 7.40 | 20.52 | 5.03 | 28.97 |
| 1896 | 8.60 | 14.50 | 12.50 | 8.85 | 10.75 | 28 | 1 80 | 2.25 | 6.25 | 18.59 | 4.73 | 31.86 |
| 1897 | 9.65 | 15.45 | 12.80 | 9.05 | 10.79 | 48 | 1 97 | 2.64 | 7.13 | 15.02 | 5.29 | 26.13 |
| 1898 | 11.03 | 16.46 | 13.75 | 8.68 | 12.14 | 57 | 2 76 | 4.31 | 8.05 | 9.74 | 5.74 | 31.82 |
| 1899 | 12.56 | 18.60 | 14.08 | 10.66 | 13.55 | 49 | 2 59 | 4.81 | 10.22 | 9.67 | 5.57 | 32.00 |
| 1900 | 13.99 | 19.90 | 16.02 | 10.98 | 13.43 | 43 | 2 54 | 3.44 | 8.85 | 10.75 | 6.15 | 38.46 |
| 1901 | 11.97 | 19.36 | 13.25 | 10.28 | 14.98 | 62 | 2 73 | 3.31 | 8.18 | 9.18 | 5.82 | 34.25 |
| 1902 | 15.52 | 21.83 | 16.80 | 11.60 | 18.00 | 62 | 2 90 | 4 20 | 8.36 | 8.30 | 5.22 | 33.46 |
| 1903 | 13.65 | 20.95 | 13.80 | 11.40 | 17.80 | 59 | 2 40 | 4.50 | 7.00 | 7.65 | 5.53 | 32.62 |
| 1904 | 11.40 | 20.70 | 13.00 | 9.40 | 19.60 | 78 | 2 30 | 4.45 | 7.85 | 9.60 | 5.80 | 32.66 |
| 1905 | 15.85 | 23.95 | 13.25 | 12.60 | 19.50 | 45 | 3 05 | 4.50 | 9.75 | 10.25 | 6 20 | 30.50 |

| YEARS. | Clover Seed. | Timothy Seed | Flaxseed. | Hay, Timothy | Bran. | Middlings, Fine. | Middlings, Coarse. | Coal, afloat, Pittsburgh. | Coal, afloat, Kanawha. | Coal, deliv'd, Pittsburgh. | Coal, deliv'd, Kanawha. | Coal, Anthracite. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Lb. | Bush. | Bush. | Ton. | Ton. | Ton. | Ton. | Bush. | Bush. | Ton. | Ton. | Ton. |
| 1885-86 | 9.27 | $1 83 | $1 06 | $12 16 | $11 76 | $14 84 | $13 26 | 6.58 | 6.24 | $2 79 | $2 68 | $6 62 |
| 1886-87 | 7.05 | 1 87 | 97 | 11 17 | 12 85 | 14 62 | 13 21 | 7.55 | 7.26 | 3 06 | 3 01 | 6 78 |
| 1887-88 | 6.77 | 2 44 | 1 14 | 14 79 | 15 66 | 17 71 | 16 56 | 10.01 | 9.75 | 3 88 | 3 68 | 7 63 |
| 1888-89 | 7.78 | 1 50 | 1 25 | 12 74 | 12 07 | 13 86 | 12 66 | 6.71 | 6.10 | 2 76 | 2 68 | 7 00 |
| 1889-90 | 5.64 | 1 30 | 1 26 | 10 56 | 11 16 | 12 76 | 11 49 | 6.78 | 6.37 | 2 69 | 2 69 | 6 46 |
| 1890-91 | 6.88 | 1 30 | 1 18 | 10 58 | 16 64 | 19 57 | 18 27 | 7.28 | 6.75 | 2 84 | 2 84 | 6 36 |
| 1891-92 | 8.43 | 1 27 | 92 | 11 25 | 14 25 | 16 20 | 15 55 | 7.63 | 7.09 | 2 87 | 2 87 | 6 41 |
| 1892 | 9.70 | 1 47 | 95 | 11 10 | 13 67 | 15 11 | 13 94 | 7.49 | .... | 2 88 | 2 88 | 6 79 |
| 1893 | 10.67 | 1 68 | 1 05 | 12 55 | 13 35 | 14 76 | 13 18 | 7.58 | 7.20 | 3 07 | 2 94 | 7 23 |
| 1894 | 8.80 | 2 10 | 1 16 | 10 95 | 13 15 | 14 10 | 13 40 | 6.34 | 6.69 | 2 53 | 2 55 | 6 35 |
| 1895 | 7.64 | 2 07 | 1 08 | 12 70 | 13 25 | 14 60 | 13 30 | 6.00 | 5.42 | 2 51 | 2 49 | 6 16 |
| 1896 | 6.74 | 1 39 | 80 | 12 20 | 8 90 | 9 50 | 9 00 | 5.73 | 5.28 | 2 34 | 2 34 | 6 44 |
| 1897 | 5.82 | 1 20 | 73 | 9 80 | 9 55 | 10 55 | 10 10 | 5.70 | 4.91 | 2 25 | 2 26 | 6 42 |
| 1898 | 5.08 | 1 11 | 87 | 8 67 | 11 92 | 12 52 | 13 23 | 5.66 | 4.89 | 2 23 | 2 27 | 6 20 |
| 1899 | 5.48 | 1 05 | 94 | 10 10 | 12 70 | 13 75 | 13 20 | 5.30 | 5.58 | 2 64 | 2 63 | 6 50 |
| 1900 | 7.75 | 1 37 | 1 19 | 13 95 | 14 60 | 15 90 | 15 35 | 7.50 | 7.48 | 2 03 | 3 05 | 6 90 |
| 1901 | 9.27 | 2 21 | 1 31 | 13 60 | 16 75 | 18 15 | 17 45 | 7.50 | 7.15 | 2 82 | 2 78 | 6 70 |
| 1902 | 7.92 | 2 20 | 1 30 | 13 35 | 17 35 | 19 50 | 18 60 | 7.92 | 7.86 | 3 25 | 3 25 | 9 00 |
| 1903 | 9.66 | 1 45 | 1 08 | 15 40 | 17 00 | 19 00 | 18 00 | 9.25 | 9.25 | 3 66 | 3 66 | 8 00 |
| 1904 | 9.75 | 1 25 | 1 00 | 13 00 | 18 65 | 21 20 | 19 60 | 8.50 | 8.50 | 3 20 | 3 20 | 7 30 |
| 1905 | 11.00 | 1 30 | 1 10 | 12 10 | 15 95 | 18 20 | 17 00 | 8.00 | 8.00 | 3 35 | 3 35 | 7 37 |

NOTE.—Butter and Cheese, prime to choice; Potatoes, standard, on arrival at railroads; Apples, green, prime to choice; Apples and Peaches, dried, prime to choice; from 1895, Peaches represent California product. All prices refer to lots in store, excepting as noted. Clover, Timothy and Flaxseed, prime to choice, on arrival; Hay, Bran and Middlings, on arrival; Coal, as indicated; Anthracite, delivered.

# AVERAGE ANNUAL PRICES OF STAPLE PRODUCTS.

Average annual prices of Staple Articles indicated, at Cincinnati, for commercial years ending August 31, to 1891-92, and calendar years subsequently:

| YEARS. | Cattle, gross. | Sheep, gross. | Hogs, gross. | Pork Barrels. | Whisky Barrels. | Ohio River Salt. | Leaf Tobacco. | Cotton, Middling. | Tallow. | Hides. | Leather. | Wool. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 100 Lbs. | 100 Lbs. | 100 Lbs. | Each. | Each. | Bbl. | Lb. | Lb. | Lb. | Lb. | Lb. | Lb. |
| 1885-86 | $3 24 | $4 13 | $3 82 | 83 | $1 39 | $0 97 | 8.00 | 9.17 | 4.82 | 9.70 | 29.46 | 30.07 |
| 1886-87 | 2 98 | 4 10 | 4 28 | 81 | 1 35 | 87 | 10.80 | 9.72 | 4.22 | 9.17 | 30.78 | 31.10 |
| 1887-88 | 3 04 | 4 58 | 5 18 | 78 | 1 29 | 94 | 15.00 | 9.83 | 4.56 | 7.98 | 29.25 | 27.37 |
| 1888-89 | 2 84 | 4 46 | 5 15 | 85 | 1 44 | 93 | 10.25 | 10 24 | 5.12 | 7.00 | 29.49 | 29.55 |
| 1889-90 | 2 90 | 4 84 | 3 74 | 83 | 1 50 | 90 | 9.25 | 11.04 | 4.52 | 6.77 | 27.82 | 30.15 |
| 1890-91 | 3 28 | 4 83 | 3 64 | 79 | 1 51 | 93 | 9.00 | 9.25 | 4.90 | 5.75 | 27.70 | 29.67 |
| 1891-92 | 3 17 | 4 79 | 3 90 | 70 | 1 52 | 92 | 9.75 | 7.60 | 4.67 | 4.66 | 26.87 | 25.87 |
| 1892 | 3 22 | 4 86 | 5 05 | 71 | 1 52 | 92 | 10.00 | 7.73 | 4.65 | 4.44 | 26.31 | 26.50 |
| 1893 | 3 61 | 4 20 | 6 90 | 76 | 1 52 | 89 | 11.85 | 8.38 | 5.56 | 4.00 | 23.84 | 25.70 |
| 1894 | 3 35 | 3 10 | 5 10 | 79 | 1 52 | 84 | 10.05 | 6.93 | 5.15 | 3.66 | 22.44 | 19.60 |
| 1895 | 3 85 | 3 30 | 4 35 | 78 | 1 60 | 84 | 9.40 | 7.04 | 4.67 | 6.02 | 26.60 | 18.53 |
| 1896 | 3 40 | 3 15 | 3 50 | 81 | 1 53 | 75 | 6.95 | 7.57 | 3.75 | 5.52 | 23.96 | 17.81 |
| 1897 | 3 54 | 3 78 | 3 30 | 80 | 1 53 | 75 | 8.05 | 6.96 | 3.59 | 7.73 | 25.92 | 24.45 |
| 1898 | 3 70 | 3 87 | 3 85 | 80 | 1 51 | 77 | 9.10 | 5.69 | 3.90 | 8.71 | 25.96 | 24.95 |
| 1899 | 3 85 | 3 77 | 4 05 | 71 | 1 79 | 82 | 7.95 | 6.30 | 4.71 | 8.57 | 27.27 | 21.85 |
| 1900 | 4 00 | 3 72 | 5 10 | 70 | 1 88 | 1 04 | 8.52 | 9.38 | 5.13 | 7.99 | 29.11 | 25.64 |
| 1901 | 3 78 | 3 34 | 5 95 | 78 | 1 88 | 1 03 | 7.90 | 8.38 | 5.56 | 7.63 | 30.14 | 23.35 |
| 1902 | 4 10 | 3 80 | 6 80 | 92 | 1 88 | 80 | 8.10 | 8.65 | 6.75 | 7.70 | 30.50 | 23.50 |
| 1903 | 3 50 | 3 80 | 6 05 | 99 | 1 88 | 83 | 8.35 | 10.95 | 5.05 | 7.00 | 28.10 | 25.50 |
| 1904 | 3 40 | 3 70 | 5 25 | 103 | 1 98 | 90 | 10.05 | 11.60 | 4 80 | 8.25 | 30.10 | 30.00 |
| 1905 | 3 45 | 4 45 | 5 35 | 95 | 1 95 | 87 | 9.25 | 9.00 | 4.65 | 10.50 | 30.15 | 36.75 |

| YEARS. | Linseed Oil. | Lard Oil. | Carbon Oil, 120° flash test. | Turpentine | Rice, Louisiana | Feathers. | Hops. | Peanuts, White. | Lead. | Nails. | Candles. | Bark, Tanners'. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Gal. | Gal. | Gal. | Gal. | Lb. | Lb. | Lb. | Lb. | Lb. | Keg. | Lb. | Cord. |
| 1885-86 | 41 | 51 | 8.65 | 37.50 | 5.16 | 45 | 13.95 | 3.78 | 4.50 | $2 26 | 10.25 | $12 61 |
| 1886-87 | 40 | 55 | 8.04 | 37.93 | 4.68 | 40 | 25.35 | 3.64 | 4.30 | 2 24 | 8.09 | 12 43 |
| 1887-88 | 50 | 61 | 8.16 | 39.29 | 5.54 | 40 | 15.80 | 3.63 | 4.42 | 1 97 | 8.42 | 12 22 |
| 1888-89 | 57 | 68 | 8.19 | 45.46 | 5 06 | 44 | 22.46 | 5.57 | 3.82 | 1 87 | 9.14 | 10 91 |
| 1889-90 | 59 | 57 | 8.38 | 44.94 | 5.11 | 42 | 17.40 | 6.50 | 3.94 | 2 26 | 8.50 | 13 64 |
| 1890-91 | 53 | 52 | 7.82 | 41.06 | 5.38 | 41 | 34.93 | 3.50 | 4.44 | 1 84 | 8.46 | 11 87 |
| 1891-92 | 37 | 54 | 6.32 | 35.74 | 5.01 | 43 | 24.47 | 3.00 | 4.14 | 1 66 | 9.08 | 10 48 |
| 1892 | 40 | 61 | 6.25 | 35.30 | 4.65 | 45 | 26.18 | 4.00 | 4.00 | 1 69 | 8.80 | 11 04 |
| 1893 | 45 | 86 | 6.25 | 34.35 | 4.31 | 41 | 23.07 | 4.00 | 3.60 | 1 36 | 8.97 | 11 17 |
| 1894 | 50 | 64 | 6.25 | 33.21 | 4.93 | 35 | 16.13 | 2.10 | 3.07 | 1 20 | 8.31 | 10 15 |
| 1895 | 51 | 55 | 7.87 | 32.30 | 4.31 | 37 | 9.25 | 3.86 | 3.12 | 1 63 | 8.04 | 9 50 |
| 1896 | 35 | 46 | 7.30 | 29.35 | 4.12 | 40 | 8.40 | 4.23 | 2.81 | 2 38 | 7.44 | 9 20 |
| 1897 | 32 | 38 | 6.75 | 29.32 | 5.24 | 35 | 12.20 | 3.54 | 3.55 | 1 69 | 6.57 | 9 25 |
| 1898 | 39 | 45 | 6.86 | 34.61 | 6.03 | 34 | 15.90 | 3.91 | 3.77 | 1 48 | 6.72 | 8 90 |
| 1899 | 44 | 43 | 7.87 | 48.69 | 5.97 | 40 | 16.95 | 3.41 | 4.46 | 2 04 | 6.98 | 10 00 |
| 1900 | 63 | 54 | 9.02 | 49.48 | 5.75 | 43 | 13.30 | 3.63 | 4.20 | 2 54 | 8.17 | 10 50 |
| 1901 | 63 | 65 | 8.23 | 38.24 | 5.86 | 43 | 15.65 | 3.42 | 4.07 | 2 30 | 9.50 | 11 15 |
| 1902 | 59 | 78 | 8.23 | 49.84 | 5.86 | 45 | 22.50 | 3.50 | 4.10 | 2 45 | 9.50 | 12 65 |
| 1903 | 41 | 73 | 10.85 | 59.15 | 6.30 | 51 | 26.10 | 4.00 | 6.45 | 2 30 | 9.36 | 13 25 |
| 1904 | 41 | 61 | 10.70 | 60.50 | 6.10 | 48 | 31.40 | 5.15 | 4.50 | 1 92 | 9.23 | 12 35 |
| 1905 | 44 | 58 | 9.60 | 66.25 | 5.75 | 47 | 24.15 | 5.50 | 6.65 | 1 90 | 9.00 | 13 30 |

NOTE.—Cattle, prime beef; Sheep, good to extra mutton; Hogs, average of packing grades; Salt, Ohio River and Kanawha, barrel of 280 pounds; Leaf Tobacco, white burley, basis of sales of all grades, prior to 1889; subsequently, the general average price realized for all grades. Cotton, middling; Tallow, prime city-rendered; Hides, light to heavy, wet salted; Leather, best light to heavy city-tanned, oak sole; Wool, Ohio, fleece-washed, to 1898, washed combings since; Rice, fancy head; Feathers, prime; Hops, choice; Nails, 12d; Candles, star.

## YEARLY MOVEMENT OF GRAIN.

Receipts and shipments of Wheat, Corn, Oats, Barley and Rye, representing bushels, at Cincinnati, for commercial years ending August 31, to 1891-92, and calendar years subsequently:

| YEARS. | WHEAT. | | CORN. | | OATS. | | BARLEY. | | RYE. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Receipts. | Shipm'ts. | Receipts. | Shipm'ts. | Receipts. | Shipm'ts. | Receipts. | Shipm'ts. | Receipts. | Shipm'ts. |
| 1879–80 | 4,289,555 | 3,799,166 | 5,744,246 | 1,730,282 | 1,534,401 | 354,287 | 1,555,107 | 159,769 | 573,925 | 307,471 |
| 1880–81 | 2,908,675 | 1,873,070 | 7,737,066 | 2,806,052 | 2,248,527 | 676,675 | 1,880,467 | 104,154 | 789,347 | 396,969 |
| 1881–82 | 4,166,245 | 3,126,499 | 8,180,846 | 3,910,408 | 2,512,364 | 914,516 | 1,786,383 | 82,137 | 701,056 | 321,295 |
| 1882–83 | 3,305,214 | 2,077,743 | 4,792,473 | 1,196,730 | 2,124,957 | 522,519 | 2,019,531 | 65,459 | 750,401 | 165,997 |
| 1883–84 | 3,107,000 | 2,342,649 | 5,519,625 | 1,783,057 | 3,063,422 | 1,296,737 | 1,527,622 | 82,697 | 453,053 | 109,490 |
| 1884–85 | 1,931,582 | 1,185,105 | 6,433,623 | 2,895,493 | 3,633,812 | 1,973,831 | 1,610,784 | 122,217 | 537,739 | 194,250 |
| 1885–86 | 3,375,472 | 2,562,261 | 6,386,644 | 2,795,237 | 3,903,953 | 2,120,282 | 1,547,483 | 205,370 | 608,026 | 247,912 |
| 1886–87 | 2,426,301 | 1,616,646 | 6,731,719 | 2,975,090 | 5,280,071 | 3,459,756 | 2,054,388 | 152,148 | 470,334 | 172,436 |
| 1887–88 | 1,954,494 | 1,052,687 | 5,878,935 | 2,391,596 | 6,354,100 | 4,186,908 | 1,851,860 | 93,511 | 397,594 | 126,669 |
| 1888–89 | 1,383,599 | 965,262 | 6,661,396 | 3,143,854 | 5,642,093 | 3,292,897 | 1,877,664 | 175,312 | 599,534 | 305,065 |
| 1889–90 | 1,257,093 | 908,512 | 6,835,161 | 2,716,545 | 5,085,746 | 2,765,143 | 2,190,646 | 177,268 | 556,977 | 327,910 |
| 1890–91 | 2,133,748 | 1,705,901 | 6,126,482 | 2,210,577 | 4,092,734 | 1,918,730 | 1,740,984 | 97,617 | 509,649 | 251,356 |
| 1891–92 | 1,971,600 | 1,475,115 | 5,509,601 | 1,864,535 | 5,224,537 | 2,721,264 | 1,930,470 | 37,581 | 462,203 | 202,759 |
| 1892 | 2,093,551 | 1,653,045 | 5,234,330 | 1,664,315 | 4,636,305 | 2,327,257 | 1,954,847 | 42,575 | 443,219 | 273,463 |
| 1893 | 2,084,546 | 1,786,009 | 7,077,860 | 3,825,555 | 5,428,247 | 2,918,737 | 1,381,220 | 92,404 | 484,979 | 219,218 |
| 1894 | 2,399,982 | 2,052,353 | 10,744,781 | 7,316,340 | 4,479,437 | 2,159,724 | 1,310,447 | 20,161 | 417,117 | 153,077 |
| 1895 | 2,030,682 | 1,647,274 | 8,892,763 | 5,710,115 | 5,418,652 | 2,987,595 | 1,065,862 | 28,255 | 433,458 | 178,836 |
| 1896 | 1,483,702 | 1,093,152 | 13,498,423 | 10,333,897 | 4,681,513 | 2,490,656 | 1,275,340 | 6,261 | 361,639 | 142,326 |
| 1897 | 2,010,842 | 1,551,091 | 15,901,253 | 13,016,832 | 7,627,932 | 5,637,110 | 1,092,828 | 73,720 | 567,483 | 264,769 |
| 1898 | 2,601,882 | 2,223,378 | 15,121,379 | 12,343,588 | 6,217,382 | 4,280,471 | 1,116,549 | 35,551 | 372,577 | 115,837 |
| 1899 | 1,356,390 | 887,920 | 6,853,790 | 4,117,467 | 3,750,416 | 1,698,896 | 1,033,010 | 201,344 | 433,273 | 189,252 |
| 1900 | 2,961,211 | 2,270,728 | 14,605,973 | 10,902,716 | 7,392,957 | 4,315,478 | 1,173,742 | 222,168 | 442,215 | 162,653 |
| 1901 | 4,111,548 | 3,698,511 | 11,783,145 | 7,781,473 | 9,260,765 | 6,568,562 | 1,094,427 | 55,471 | 612,206 | 258,890 |
| 1902 | 4,988,822 | 4,412,414 | 7,820,048 | 4,355,272 | 5,883,009 | 3,427,516 | 817,909 | 8,541 | 523,024 | 177,334 |
| 1903 | 2,830,463 | 2,554,036 | 10,453,465 | 7,110,679 | 5,890,504 | 3,735,660 | 886,755 | 28,341 | 520,695 | 234,817 |
| 1904 | 2,124,447 | 1,625,385 | 12,848,217 | 9,217,189 | 6,034,074 | 3,586,492 | 1,038,936 | 35,872 | 601,923 | 166,678 |
| 1905 | 3,195,191 | 2,635,085 | 11,326,222 | 7,418,723 | 13,473,767 | 11,140,014 | 1,484,779 | 501,928 | 623,758 | 208,662 |

## LOCAL AND TOTAL MOVEMENT OF GRAIN.

Movement of Grain, representing bushels, at Cincinnati, showing the local movement and aggregate, including Grain on through bills of lading, for commercial years ending August 31, to 1891-92, and calendar years subsequently:

| YEARS. | LOCAL MOVEMENT. | | INCLUDING GRAIN IN TRANSIT. | |
|---|---|---|---|---|
| | Receipts. | Shipments. | Receipts. | Shipments. |
| 1891–92 | 8,749,450 | 1,551,804 | 15,098,411 | 6,301,254 |
| 1892 | 9,643,152 | 1,241,555 | 14,362,252 | 5,960,655 |
| 1893 | 11,118,202 | 3,503,273 | 16,456,852 | 8,841,923 |
| 1894 | 10,868,614 | 3,218,505 | 19,351,764 | 11,701,655 |
| 1895 | 10,334,517 | 3,045,175 | 17,841,417 | 10,552,075 |
| 1896 | 11,133,217 | 3,898,892 | 21,300,617 | 14,066,292 |
| 1897 | 12,076,888 | 5,420,072 | 27,200,338 | 20,543,522 |
| 1898 | 9,101,719 | 2,670,775 | 25,429,769 | 18,998,825 |
| 1899 | 9,128,079 | 2,796,079 | 13,426,879 | 7,094,879 |
| 1900 | 13,530,198 | 4,827,843 | 26,576,098 | 17,873,743 |
| 1901 | 14,347,191 | 5,848,007 | 26,862,091 | 18,362,907 |
| 1902 | 13,845,712 | 6,193,977 | 20,032,812 | 12,381,077 |
| 1903 | 15,431,482 | 8,513,133 | 20,581,882 | 13,663,533 |
| 1904 | 18,097,097 | 10,081,116 | 22,647,597 | 14,631,616 |
| 1905 | 20,333,717 | 12,134,412 | 30,103,917 | 21,904,412 |

## YEARLY RANGE AND AVERAGE PRICES OF GRAIN.

Lowest and highest range and average yearly quotations, per bushel, at Cincinnati, for No. 2 Red Wheat; No. 2 Shelled Corn, from 1902 to 1905 (Mixed Ear previously); Oats, No. 2 Mixed; No. 2 Rye, and yearly average for No. 2 Fall Barley, for commercial years to 1891-92, and calendar years subsequently:

| YEARS. | WHEAT. | | CORN. | | OATS. | | RYE. | | BARLEY. |
|---|---|---|---|---|---|---|---|---|---|
| | Range. | Average. | Range. | Average. | Range. | Average. | Range. | Average. | Average. |
| 1874-75 | $1 03@1 75 | $1 16 | 58 @ 87 | 72 | 44 @71 | 59 | 83 @1 28 | 1 06 | 1 41 |
| 1875-76 | 1 00@1 50 | 1 10 | 40 @ 73 | 51 | 30 @60 | 38 | 55 @ 87 | 74 | 1 20 |
| 1876-77 | 1 08@2 15 | 1 41 | 40 @ 57 | 46 | 28 @52 | 37 | 55 @1 05 | 74 | 90 |
| 1877-78 | 85@1 35 | 1 11 | 38 @ 49 | 42 | 26 @30 | 29 | 52 @ 66 | 59 | 52 |
| 1878-79 | 85@1 15 | 96 | 31 @ 45 | 37 | 22 @36 | 27 | 49 @ 62 | 54 | 1 00 |
| 1879-80 | 93@1 37 | 1 16 | 42 @ 51 | 42 | 23 @41 | 34 | 54 @ 95 | 82 | 89 |
| 1880-81 | 88@1 39 | 1 10 | 40 @ 87 | 49 | 30 @46 | 38 | 83 @1 35 | 1 04 | 98 |
| 1881-82 | 95@1 50 | 1 32 | 56 @ 87 | 72 | 37 @64 | 50 | 68 @1 17 | 94 | 1 05 |
| 1882-83 | 95@1 17 | 1 05 | 44 @ 76 | 54 | 28 @48 | 39 | 51 @ 70 | 62 | 76 |
| 1883-84 | 80@1 10 | 1 01 | 40 @ 62 | 53 | 25 @45 | 34 | 54 @ 71 | 62 | 76 |
| 1884-85 | 72@1 09 | 89 | 37 @ 59 | 47 | 25 @41 | 32 | 53 @ 75 | 63 | 80 |
| 1885-86 | 74@1 00 | 88 | 32 @ 48 | 39 | 25 @34 | 30 | 53 @ 69 | 63 | 86 |
| 1886-87 | 71@ 89 | 80 | 34 @ 55 | 40 | 26 @32 | 29 | 46 @ 66 | 58 | 61 |
| 1887-88 | 71@ 96 | 85 | 44 @ 61 | 52 | 26 @38 | 33 | 50 @ 73 | 62 | 81 |
| 1888-89 | 73@1 15 | 93 | 30 @ 49 | 37 | 20 @29 | 26 | 41 @ 65 | 52 | 78 |
| 1889-90 | 75@1 02 | 83 | 27 @ 56 | 36 | 21 @40 | 27 | 41 @ 72 | 50 | 57 |
| 1890-91 | 82@1 16 | 99 | 49 @ 77 | 60 | 31 @58 | 48 | 61 @1 05 | 81 | 77 |
| 1891-92 | 73@1 01 | 90 | 39 @ 67 | 48 | 30 @39½ | 33 | 62 @ 97½ | 85 | 70 |
| 1892 | 65@ 93 | 81 | 39 @ 53 | 45 | 32 @36¼ | 33 | 52½@ 89 | 73 | 69 |
| 1893 | 52@ 75 | 64 | 35½@ 51 | 44 | 20 @36 | 32 | 48 @ 68 | 55 | 64 |
| 1894 | 48@ 60 | 54 | 35½@ 59½ | 45 | 29¾@54 | 35 | 41¼@ 56 | 52 | 60 |
| 1895 | 53@ 90 | 66 | 24¾@ 56 | 41 | 19 @34½ | 27 | 40 @ 75 | 53 | 56½ |
| 1896 | 55@ 97 | 72 | 18½@ 33 | 27 | 15½@23 | 20 | 26½@ 44 | 38 | 36 |
| 1897 | 70@1 00 | 89 | 20 @ 33 | 26 | 16¾@25 | 21 | 33 @ 52 | 41 | 39 |
| 1898 | 64@1 45 | 86 | 27½@ 41 | 34 | 21½@34½ | 27 | 40 @ 80 | 51 | 47 |
| 1899 | 68@ 77 | 72 | 29 @ 40 | 36 | 21½@31½ | 27 | 56 @ 68 | 62 | 52 |
| 1900 | 70@ 89 | 75 | 34 @ 47 | 41 | 21 @28 | 25 | 51½@ 67 | 59 | *53 |
| 1901 | 64@ 90 | 77 | 39 @ 74½ | 52 | 25 @50¾ | 34 | 45 @ 73 | 60 | *64 |
| 1902 | 68@ 92 | 80 | 44 @ 69 | 61 | 27 @57 | 41 | 51 @ 71½ | 58 | *64 |
| 1903 | 74½@ 92 | 81 | 40 @ 54¼ | 47 | 31½@43½ | 37 | 54 @ 63 | 58 | *62 |
| 1904 | 92½@1 25 | 1 08 | 45½@ 59 | 51 | 31 @44½ | 38 | 61 @ 87 | 77 | *62 |
| 1905 | 82@1 24½ | 99 | 44½@ 59½ | 52 | 25 @35½ | 32 | 56 @ 87 | 75 | *55 |

* Extra No. 3 Spring Barley.

## MONTHLY PRICES OF WHEAT.

Monthly range of quotations for No. 2 Red Wheat, per bushel, at Cincinnati:

| MONTHS. | 1905 | 1904 | 1903 | 1902 | 1901 | 1900 | 1899 | 1898 |
|---|---|---|---|---|---|---|---|---|
| January | 1 18@1 24½ | 92½@ 98½ | 77½@80½ | 89 @92½ | 79 @82 | 70 @73 | 70½@77 | 91@ 97 |
| February | 1 18@1 21 | 97 @1 12 | 79 @80½ | 86½@91 | 78½@80 | 73 @74 | 71½@75½ | 95@1 00 |
| March | 1 10@1 20 | 1 00 @1 08 | 74½@79 | 78 @87 | 78 @80 | 71 @74 | 70 @75 | 95@ 98 |
| April | 96@1 12 | 1 04 @1 09 | 75 @77 | 78 @87 | 75 @79 | 72½@75 | 72 @75 | 93@1 10 |
| May | 96@1 09 | 1 05 @1 12 | 75½@77 | 81½@87 | 74 @77½ | 72 @74 | 70 @76 | 1 08@1 45 |
| June | 1 01@1 07 | 1 03 @1 11 | 78 @82 | 80 @82½ | 67 @76½ | 72 @89 | 72 @75 | 76@1 08 |
| July | 83@1 07 | 94 @1 09 | 76½@80 | 70 @83½ | 64 @68½ | 76 @85 | 68½@72 | 66@ 84½ |
| August | 82@ 84½ | 96 @1 13 | 77½@84½ | 68 @71 | 68 @75 | 73 @77 | 68 @72 | 65@ 73 |
| September | 83@ 89 | 1 10 @1 25 | 85½@87 | 70 @72 | 71½@71 | 75 @78½ | 69 @73 | 61@ 70 |
| October | 87½@ 91 | 1 18 @1 23 | 86 @88 | 71 @76 | 73 @75 | 75 @79 | 71 @73½ | 65@ 70½ |
| November | 88@ 91 | 1 15 @1 20 | 85½@89 | 73½@78½ | 74 @79½ | 75½@77 | 69 @71 | 67@ 70 |
| December | 89@ 93½ | 1 15 @1 21 | 88½@92 | 76¾@79 | 79½@90 | 76½@79 | 69 @71 | 67@ 71 |
| YEARS | 82@1 24½ | 92½@1 25 | 74½@92 | 68 @92½ | 64 @90 | 70 @89 | 68 @77 | 64@1 45 |

## MONTHLY PRICES OF CORN.

Monthly range for No. 2 Mixed Corn (shelled), per bushel, at Cincinnati:

| MONTHS. | 1905 | 1904 | 1903 | 1902 | 1901 | 1900 | 1899 | 1898 |
|---|---|---|---|---|---|---|---|---|
| January | 45½@46 | 45½@46½ | 43½@48½ | 62 @68½ | 38 @40 | 32¾@36 | 35½@38 | 28½@30 |
| February | 46 @48½ | 45½@47½ | 46 @48 | 61 @64½ | 39½@42¼ | 33¼@36 | 33 @37 | 29 @32 |
| March | 48 @52 | 46 @51 | 41½@47 | 62 @64 | 41¼@42¾ | 36 @40¾ | 35 @37½ | 31 @32 |
| April | 47½@50½ | 50½@54 | 40 @46 | 60½@67½ | 44½@47 | 41 @43½ | 36½@37½ | 31 @37 |
| May | 49 @54½ | 51½@56½ | 45½@47¾ | 64 @67¼ | 43¼@46½ | 40¼@44 | 34 @36½ | 35½@39 |
| June | 54 @57 | 48 @51 | 48½@54 | 63½@66½ | 43½@44½ | 39¾@45 | 35 @36½ | 33 @35 |
| July | 57 @59½ | 48 @53½ | 50 @53 | 63½@69 | 45 @58 | 41½@47 | 35 @36½ | 34 @36¾ |
| August | 54 @57½ | 52½@57½ | 52½@54¼ | 58 @64 | 57½@64 | 41 @43 | 32 @34½ | 30 @35½ |
| September | 54½@56½ | 55 @57 | 48 @53 | 60 @63½ | 56½@61½ | 42½@44 | 33¾@35 | 30 @31 |
| October | 52½@56½ | 55½@59 | 45½@49 | 60 @62½ | 60 @60½ | 37 @43 | 34 @36 | 30¼@35 |
| November | 45½@53 | 56½@58½ | 45½@46 | 45 @60 | 63 @66 | 37 @40 | 31½@35 | 34 @36½ |
| December | 44½@47 | 45½@52 | 44½@46 | 44 @50 | 66½@71½ | 37¾@39½ | 31½@34 | 33½@38 |
| YEARS | 44½@59½ | 45½@59 | 40 @54¼ | 44 @69 | 38 @71½ | 32¾@47 | 31½@38 | 28½@39 |

## MONTHLY PRICES OF OATS.

Monthly range of quotations for No. 2 Mixed Oats, per bushel, at Cincinnati:

| MONTHS. | 1905 | 1904 | 1903 | 1902 | 1901 | 1900 | 1899 | 1898 |
|---|---|---|---|---|---|---|---|---|
| January | 32¾@33½ | 38 @42½ | 35 @39 | 46 @50 | 25 @27½ | 25¼@26½ | 28½@31 | 24 @26 |
| February | 32¾@33½ | 41½@44½ | 37½@39½ | 46 @48 | 26¾@28 | 25¼@26 | 28¾@31½ | 25½@28¾ |
| March | 31¼@34½ | 41 @44½ | 37 @39 | 45½@47 | 27½@28 | 25¼@26½ | 28½@31 | 27½@29 |
| April | 30½@32½ | 40 @43 | 33½@37 | 44 @46½ | 28 @29 | 26 @28 | 29 @30½ | 28 @31 |
| May | 30½@32¾ | 41½@42½ | 33 @37½ | 44 @46 | 30 @32 | 24½@26⅛ | 27½@29½ | 29 @34½ |
| June | 32½@33½ | 41 @44 | 36 @43½ | 43 @52 | 29½@30½ | 24 @27 | 27 @29 | 25½@28 |
| July | 28 @34 | 40 @41½ | 31½@41½ | 32½@37 | 31½@42 | 25 @28 | 22 @28½ | 23½@27 |
| August | 25 @32 | 32½@40½ | 33 @35¼ | 27 @31 | 37 @38 | 21 @25 | 21½@22½ | 21½@24¼ |
| September | 26 @30 | 33 @34½ | 35 @39 | 28½@31½ | 36 @38 | 22¼@23½ | 22½@25½ | 22 @25 |
| October | 29 @32 | 31½@33½ | 36½@39 | 30 @32 | 38 @39 | 23 @24 | 24¾@26 | 23 @26½ |
| November | 31½@33½ | 31 @33½ | 35½@37½ | 29¾@34 | 40 @46 | 23 @25 | 25¼@26½ | 26½@29 |
| December | 33 @35½ | 32¾@33¾ | 37 @39 | 33 @39 | 47 @50¾ | 24 @25½ | 25½@26¾ | 28 @30 |
| YEARS | 25 @35½ | 31 @44½ | 31½@43½ | 27 @57 | 25 @50¾ | 21 @28 | 21½@31½ | 21½@34½ |

## MONTHLY PRICES OF RYE.

Monthly range of quotations for No. 2 Rye, per bushel, at Cincinnati:

| MONTHS. | 1905 | 1904 | 1903 | 1902 | 1901 | 1900 | 1899 | 1898 |
|---|---|---|---|---|---|---|---|---|
| January | 80 @86 | 61 @64 | 55½@59 | 66 @71½ | 53 @58½ | 59 @64 | 57 @65 | 45½@58 |
| February | 81½@86 | 63 @81 | 57½@58½ | 64 @67 | 56 @59 | 61 @65 | 60 @65 | 48 @53 |
| March | 84 @87 | 76 @80 | 56 @58½ | 63 @65 | 55 @59 | 60 @64 | 59 @65 | 52 @54½ |
| April | 80 @86 | 74 @78 | 55 @58 | 62 @64 | 54 @58½ | 60 @63½ | 60 @65 | 52 @66 |
| May | 80 @83 | 75 @80 | 54 @58 | 60 @63½ | 57 @62 | 61 @63½ | 62 @68 | 52 @80 |
| June | 80 @83 | 76 @80 | 57 @58 | 54 @59 | 55 @61 | 61 @67 | 64 @68 | 40 @51 |
| July | 60 @83 | 73 @78 | 56 @57½ | 55½@58 | 45 @55½ | 50 @66 | 57 @67 | 40 @45 |
| August | 56 @60 | 70 @76½ | 55 @60 | 51 @56 | 52½@64 | 51½@60 | 56 @60 | 45 @50 |
| September | 56 @66 | 75 @83 | 59½@63 | 52½@55½ | 56½@60 | 53 @57 | 58 @65 | 45 @48½ |
| October | 67 @74 | 81 @87 | 61 @63 | 52 @53 | 56½@59½ | 55 @59 | 61½@65½ | 48 @57 |
| November | 70 @74½ | 83 @87 | 58 @62 | 51 @54 | 57 @65½ | 52 @56 | 59 @64 | 56 @59 |
| December | 70 @72 | 81 @86 | 59 @62½ | 51 @56 | 64½@73 | 52 @55½ | 60 @65½ | 56 @58½ |
| YEARS | 56 @87 | 61 @87 | 54 @63 | 51 @71½ | 45 @73 | 51½@67 | 56 @68 | 40 @80 |

# PRICES OF WHEAT AND RYE.

Quotations for No. 2 Red Winter Wheat and No. 2 Rye, per bushel, at Cincinnati, on Tuesday of each week, in three years:

| No. 2 Red Winter Wheat. | | | | | No. 2 Rye. | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Dates. | 1905 | 1904 | 1903 | | Dates. | 1905 | 1904 | 1903 |
| January 3.. | 1 20 | 92½@ 93 | 78 | | January 3.. | 82 @ 83½ | 61@62 | 55½@56 |
| 10.. | 1 20 @1 22 | 94 @ 94½ | 78 @78½ | | 10.. | 80 @ 83 | 61@62 | 56 |
| 17.. | 1 20 @1 22 | 96 @ 97 | 79½@80 | | 17.. | 80 @ 83 | 62@63 | 57 |
| 24.. | 1 19 @1 21 | 98 | 80 | | 24.. | 82 @ 86 | 63@63½ | 57½ |
| 31.. | 1 19 @1 20 | 98 @ 98½ | 79 @79½ | | 31.. | 82 @ 84 | 64@68 | 58 |
| February 7.. | 1 18 @1 20 | 98½@ 99 | 80½ | | February 7.. | 81½@ 83½ | 64@68 | 58½ |
| 14.. | 1 18 @1 20 | 1 02 @1 03 | 79½ | | 14.. | 84 @ 86 | 68@70 | 58 |
| 21.. | 1 18 @1 20 | 1 09 @1 10 | 79 @79½ | | 21.. | 84 @ 86 | 79@80 | 58½ |
| 28.. | 1 18 @1 20 | 1 03 @1 07 | 79 | | 28.. | 85 | 79@80 | 58 @58½ |
| March 7.. | 1 16 @1 18 | 1 00 | 77 | | March 7.. | 84 @ 87 | 78@79 | 58 |
| 14.. | 1 14 @1 16 | 1 04 @1 05 | 77 | | 14.. | 84 @ 87 | 78@79 | 57 |
| 21.. | 1 15 @1 16 | 1 03 @1 04 | 75 | | 21.. | 86 @ 87 | 76@78 | 58 |
| 28.. | 1 12 @1 14 | 1 06 @1 07 | 75¼@75½ | | 28.. | 86 @ 87 | 76@78 | 56 |
| April 4.. | 1 10 @1 12 | 1 08 @1 09 | 75 @76 | | April 4.. | 85 @ 86 | 76@78 | 55 |
| 11.. | 1 08 @1 10 | 1 06½@1 07 | 76 @77 | | 11.. | 83 @ 85 | 76@78 | 56½@57 |
| 18.. | 1 07 @1 09 | 1 06½@1 07 | 76 | | 18.. | 83 @ 86 | 76@78 | 57 @57½ |
| 25.. | 98 @ 99 | 1 05 @1 06 | 75½ | | 25.. | 83 @ 86 | 75@76 | 57 @58 |
| May 2.. | 96 @ 98 | 1 06 @1 07 | 76 | | May 2.. | 80 @ 83 | 76@78 | 57 |
| 9.. | 98 @1 00 | 1 08 @1 08½ | 75½@76 | | 9.. | 80 @ 83 | 78@79 | 55½ |
| 16.. | 1 02 @1 04 | 1 09 @1 10 | 76 @76½ | | 16.. | 80 @ 83 | 78@79 | 54 |
| 23.. | 1 06 | 1 09 @1 10 | 76 @76½ | | 23.. | 80 @ 83 | 79@80 | 57 |
| 30.. | 1 05 @1 07 | 1 10 @1 11 | 78 @78½ | | 30.. | 80 @ 83 | 79@80 | 57½ |
| June 6.. | 1 05 @1 06 | 1 10½ | 78½@79 | | June 6.. | 80 @ 83 | 79@80 | 58 |
| 13.. | 1 02 @1 04 | 1 03 @1 04 | 78½ | | 13.. | 80 @ 83 | 79@80 | 57 @58 |
| 20.. | 1 01 @1 03 | 1 05 | 79¼@79½ | | 20.. | 80 @ 83 | 79@80 | 57 @58 |
| 27.. | 1 04 @1 06 | 1 03½@1 04½ | 79 @80 | | 27.. | 80 @ 83 | 79@80 | 58 |
| July 4.. | 1 05 @1 07 | 1 06 @1 06½ | 80 | | July 4.. | 80 @ 83 | 76@78 | 58 |
| 11.. | *90 @ 92½ | 1 08 @1 08½ | 78½@79 | | 11.. | 75 @ 80 | 74@76 | 57½ |
| 18.. | 86 @ 88 | 1 00* | *78 | | 18.. | *65 @ 70 | 74@76 | 57 |
| 25.. | 88 @ 89 | 94 @ 95 | 77 @77½ | | 25.. | 65 @ 68 | 73@75 | 56 |
| August 1.. | 83½@ 84 | 97 | 78 @78½ | | August 1.. | 60 | 74@76 | 56 @57 |
| 8.. | 83 @ 84 | 99 @1 00 | 79½@80 | | 8.. | 58 @ 60 | 74@76 | 57 @57½ |
| 15.. | 82 | 1 00 @1 01 | 82½@83 | | 15.. | 57 @ 59 | 71@73 | 58 @58½ |
| 22.. | 82 @ 83½ | 1 10 @1 12 | 83 | | 22.. | 56 @ 58 | 71@73 | 58 @58½ |
| 29.. | 83 | 1 10 @1 12 | 84 @84½ | | 29.. | 56 @ 58 | 75@76½ | 59 @60 |
| September 5.. | 83 @ 84 | 1 10 @1 11 | 86½@87 | | September 5.. | 56 @ 58 | 75@76 | 61 @62 |
| 12.. | 85 @ 87 | 1 15 | 86½@87 | | 12.. | 56 @ 58 | 76@78 | 62 @62½ |
| 19.. | 86 @ 87 | 1 15 @1 16 | 84 @84½ | | 19.. | 61 @ 62 | 78@80 | 62 @63 |
| 26.. | 87½@ 88½ | 1 18 @1 20 | 84½@85 | | 26.. | 65 @ 66 | 78@80 | 62 @62½ |
| October 3.. | 87½@ 88½ | 1 20 @1 22 | 87 @87½ | | October 3.. | 69 @ 70 | 81@83 | 62 @62½ |
| 10.. | 88 @ 89 | 1 18 @1 20 | 87 | | 10.. | 67 @ 70 | 85@86½ | 62½@63 |
| 17.. | 88½@ 89½ | 1 20 @1 22 | 87½@88 | | 17.. | 67 @ 71 | 85@86½ | 61 @62½ |
| 24.. | 88 @ 89 | 1 20 @1 22 | 86 @87 | | 24.. | 67 @ 71 | 85@86 | 61 @62 |
| 31.. | 89½@ 90½ | 1 18 @1 20 | 86½ | | 31.. | 73 @ 74 | 85@87 | 61 @61½ |
| November 7.. | 89 | 1 18 @1 20 | 86 | | November 7.. | 73 @ 74 | 84@86 | 59½@61 |
| 14.. | 90 @ 91 | 1 17 @1 19 | 86 | | 14.. | 72 @ 74 | 83@85 | 59 @61 |
| 21.. | 89 @ 89½ | 1 16 @1 18 | 87½@88 | | 21.. | 72 @ 74 | 84@86½ | 58 @60½ |
| 28.. | 88 @ 89½ | 1 15 @1 17 | 88½@89 | | 28.. | 70 @ 71 | 84@86 | 58 @60 |
| December 5.. | 90 @ 91 | 1 16 @1 18 | 90 | | December 5.. | 70 @ 71 | 81@82 | 58 @60 |
| 12.. | 91 @ 92 | 1 16 @1 18 | 89 @89½ | | 12.. | 70 @ 71 | 81@82 | 59 @61 |
| 19.. | 92 @ 93 | 1 16 @1 18 | 90½@91 | | 19.. | 70 @ 72 | 81@82 | 59 @61 |
| 26.. | 91 @ 92 | 1 18 @1 20 | 90½@91 | | 26.. | 70 @ 72 | 81@82 | 61 @62½ |

*New.

Months of lowest and highest prices of Wheat, in years indicated:

| Years. | Lowest. | Highest. | Years. | Lowest. | Highest. |
|---|---|---|---|---|---|
| 1896 | July | December | 1901 | July | December. |
| 1897 | July | August | 1902 | August | January. |
| 1898 | September | May | 1903 | March | December. |
| 1899 | August | January | 1904 | January | October. |
| 1900 | January | June | 1905 | August | January. |

## PRICES OF CORN.

Quotations of Mixed Ear Corn and No. 2 Mixed Corn (shelled), per bushel, at Cincinnati, on Tuesday of each week, in three years:

| Dates. | Mixed Ear Corn. 1905 | 1904 | 1903 | Dates. | No. 2 Mixed Corn (shelled). 1905 | 1904 | 1903 |
|---|---|---|---|---|---|---|---|
| January 3 | 48 @49½ | 45 @46 | 45 | January 3 | 46 | ..... | 43½ |
| 10 | 48 @49½ | 45½@46 | 45 @46 | 10 | 46 | ..... | 45½ |
| 17 | 47½@48½ | 46½@47 | 48 | 17 | 45½ | ..... | 47 |
| 24 | 46 @47 | 46 @47 | 47½@48 | 24 | 45½ | ..... | 48 @48½ |
| 31 | 45 @46½ | 47 @48 | 45 @46 | 31 | 45½ | ..... | 47 |
| February 7 | 47 @48 | 47½@48 | 46 | February 7 | 46½ | 47½ | 47 |
| 14 | 48 @49 | 52 | 46 | 14 | 46½ | 46½@47 | 46½ |
| 21 | 47 @48 | 50½ | 48½ | 21 | 47½ | 47 | 47 |
| 28 | 49 @50 | 49 @50½ | 48½ | 28 | 48 @48½ | 46½ | 47 |
| March 7 | 49 @50 | 47 @49½ | 47½ | March 7 | 49½@50 | 47½ | 47 |
| 14 | 51 @53 | 48 @49 | 46 | 14 | 51 @51½ | 47½@48 | 45 |
| 21 | 50 @53 | 47 @48 | 44 | 21 | 51½@52 | 47½ | 43½ |
| 28 | 49 @50 | 50 @50½ | 45 | 28 | 49½@50 | 49½@50 | 41½ |
| April 4 | 45½@46½ | 52 @53 | 46 | April 4 | 49 @50 | 53 @54 | 41 |
| 11 | 48 @50 | 54 @55 | 45½ | 11 | 49 @49½ | 53½@54 | 42 |
| 18 | 48 @50 | 54½@55 | 48 | 18 | 50 @50½ | 52½@53 | 44 |
| 25 | 49 @51 | 54 @55½ | 48 @48½ | 25 | 50 @50½ | 50½@51 | 46 |
| May 2 | 49 @51 | 55½@56½ | 45 @47 | May 2 | 50½ | 51½@52 | 46 |
| 9 | 53 @54½ | 55½@56½ | 46 @47 | 9 | 51½@52 | 53 @53½ | 46½ |
| 16 | 53 @54 | 55½@56 | 47 | 16 | 53½@54 | 55 | 47 |
| 23 | 52 @53½ | 56 @57 | 47½ | 23 | 54 | 54 | 47½@47¾ |
| 30 | 52 @53½ | 54 @55 | 47½ | 30 | 54½ | 51½ | 49½ |
| June 6 | 53 @55 | 51 @52 | 49 | June 6 | 54 | 50½ | 49½ |
| 13 | 54 @55 | 50 @50½ | 50 @ 01½ | 13 | 56 | 50 | 51 @51½ |
| 20 | 56 @57½ | 50 @51 | 53 @54 | 20 | 56½@57 | 48½@49 | 53½@54 |
| 27 | 58 @59 | 50 @51 | 53 @53½ | 27 | 56 @56½ | 49 | 52½ |
| July 4 | 58 @59 | 54 @55 | 54 @55 | July 4 | 57½ | 48½@49 | 52 |
| 11 | 58 @60 | 56 | 56 | 11 | 58½@59 | 51½@52 | 50½@51 |
| 18 | 58 @60 | 56 | 56 | 18 | 59 | 52 @52½ | 50½ |
| 25 | 59 @61 | 55½@56 | 56 | 25 | 59 | 53 @53½ | 52½@53 |
| August 1 | 59 @61 | 55½@56½ | 56½@57 | August 1 | 56¼ | 52½ | 52½ |
| 8 | 57 @59 | 56½ | 52½@54 | 8 | 56 @56½ | 53½@54 | 53½ |
| 15 | 57 @59 | 57½ | 52 @53 | 15 | 55½@56 | 54½@55 | 53½ |
| 22 | 56 @58 | 56 @57 | 52½ | 22 | 54 @54½ | 56½@57 | 52½@53 |
| 29 | 53 @55 | 56½@57 | 53 @53½ | 29 | 54½@55 | 55 | 52½ |
| September 5 | 53 @55 | 56½@57 | 54 @55 | September 5 | 55½ | 55 | 52½@53 |
| 12 | 53 @55 | 57 | 53 @54 | 12 | 56½ | 55½ | 52½@53 |
| 19 | 55 @57 | 56 @57½ | 54 | 19 | 56½ | 56 | 50 @50½ |
| 26 | 55 @57 | 56 @57 | 50½@51 | 26 | 56 @56½ | 55½ | 49 |
| October 3 | 55 @57 | 57 @58 | 50 @50½ | October 3 | 56 @56½ | 55½@56 | 47½@48 |
| 10 | 57 @58 | 57 @58 | 50½@51 | 10 | 56 | 56½@57 | 48 @48½ |
| 17 | 57 @58 | 56 @57 | 51 @51½ | 17 | 54 @54½ | 57 @57½ | 47 |
| 24 | *45 @46 | 58 @59 | *45 @46 | 24 | 52½@53 | 58 @58½ | 46 |
| 31 | 46 | 58 @59 | 42 @44 | 31 | 53 | 57 | 45½ |
| November 7 | 46 @47 | *45 @46 | 42 @43 | November 7 | 52½@53 | 56½@57 | 45½ |
| 14 | 45 @46 | 46 | 42 @43 | 14 | 52½@53 | 58 | 46 |
| 21 | 40 @42 | 46 @46½ | 43 @44 | 21 | ..... | 58 | 45½@46 |
| 28 | 40 @41 | 46 @46½ | 45 @46 | 28 | *45½ | 48 | 46 |
| December 5 | 40 @41 | 47 | 46 @46½ | December 5 | 45½ | 46½ | 45 @46 |
| 12 | 43 @44 | 46 @46½ | 45½@46 | 12 | 47 | 45 | *42 |
| 19 | 44 @45 | 46 @47 | 44 @45 | 19 | 45½@46 | 45 @45½ | 42 |
| 26 | 42 @44 | 47 @47½ | 43½@45 | 26 | 45 @45½ | 45 @45½ | 42 |
| | ..... | ..... | ..... | | ..... | ..... | ..... |

* New.

Range of prices of No. 2 White Shelled Corn, at Cincinnati, monthly, in 1905:

| | | | |
|---|---|---|---|
| January..... 46½ | April ..... 48 @51 | July..... 58 @61 | October..... 54 @56½ |
| February..... 46 @48½ | May..... 50½@55 | August..... 56 @58½ | November.... 46 @53½ |
| March..... 48 @52½ | June..... 54½@58 | September..... 56 @56½ | December.... 45½@47½ |

NOTE.—General average for the year, 52½.

## PRICES OF OATS.

Quotations for No. 2 Mixed Oats and No. 2 White Oats, per bushel, at Cincinnati, on Tuesday of each week, in three years:

| | | No. 2 Mixed Oats. | | | | No. 2 White Oats. | | | |
|---|---|---|---|---|---|---|---|---|---|
| Dates. | | 1905 | 1904 | 1903 | Dates. | | 1905 | 1904 | 1903 |
| January | 3 | 33 | 38 @38½ | 35 @35¼ | January | 3 | 33½ | 40 @40½ | 37 |
| | 10 | 33½ | 39 @40 | 36 | | 10 | 33¾ | 41 @41½ | 37 @37½ |
| | 17 | 33¼ | 42 | 37½@38 | | 17 | 33¾ | 43 @44 | 38½@39 |
| | 24 | 33 | 41 @41½ | 39 | | 24 | 33¾ | 43 @43½ | 39½@40 |
| | 31 | 32¾ | 42 @42½ | 37½@38 | | 31 | 33¾ | 44½@45 | 39 @39½ |
| February | 7 | 32¾@33¼ | 42 @42½ | 38¼@39 | February | 7 | 33¾@34 | 44½@45 | 39½@40 |
| | 14 | 33 @33½ | 43 @43½ | 38 | | 14 | 34 | 45 @45½ | 40 |
| | 21 | 33 @33¼ | 43½ | 38 | | 21 | 34 | 46½@47½ | 41 |
| | 28 | 33 | 44¼ | 38½ | | 28 | 34 | 46½@47 | 40 |
| March | 7 | 33 @33¼ | 44 | 38½ | March | 7 | 34½ | 45½@46 | 40 @41 |
| | 14 | 33½ | 43½ | 38 | | 14 | 34½ | 46½@47 | 40 |
| | 21 | 34¼ | 41½ | 37 @37½ | | 21 | 36 | 45 @45½ | 38 @38½ |
| | 28 | 33 | 42½@43 | 37 @37¼ | | 28 | 34¾ | 45 @45½ | 38 @38½ |
| April | 4 | 31½@31¾ | 42½@43 | 35 @36¼ | April | 4 | 33 | 44 @45 | 37½@38 |
| | 11 | 32¼ | 41½@42 | 33¾@34 | | 11 | 33½@33¾ | 42½@43 | 36 @36½ |
| | 18 | 31¾@32 | 41 @42 | 34 @34½ | | 18 | 33½@34 | 43 @43½ | 37½@38 |
| | 25 | 31¾@32 | 40 @40½ | 33¾@34 | | 25 | 33¾ | 43 @43½ | 37 @37½ |
| May | 2 | 30½ | 41½@42 | 33½ | May | 2 | 32¾ | 44 @44½ | 35½@36 |
| | 9 | 30½ | 42 @42½ | 34½ | | 9 | 33½ | 44½@45 | 36½@37 |
| | 16 | 31½@31¾ | 42 @42½ | 36½@37 | | 16 | 33½@34 | 46½@47 | 38 @38½ |
| | 23 | 32 @32½ | 42 | 36 @36½ | | 23 | 34 @34½ | 44½@45 | 38 @38½ |
| | 30 | 32 @32½ | 42 @42½ | 36½ | | 30 | 34 | 43½@44 | 40 @40½ |
| June | 6 | 32½@32¾ | 43 @43½ | 36½ | June | 6 | 33½@33¾ | 45 | 40½@41 |
| | 13 | 32¾@33 | 43 | 39½ | | 13 | 33¾@34 | 45½@46 | 42 |
| | 20 | 33 | 42½@42¾ | 43 | | 20 | 33¾ | 45 | 45 @46 |
| | 27 | 33 @33½ | 41 | 40½@41 | | 27 | 34 @34¼ | 44@44½ | 42 |
| July | 4 | 33 @33½ | 40½@41 | 40½ | July | 4 | 34 | 44 | 44 @44½ |
| | 11 | 33½@33¾ | 40 @40¼ | 40½ | | 11 | 35½ | 43 @43½ | 43½ |
| | 18 | 33 @33½ | 41 | 37½@38 | | 18 | 35½@36 | 43¾ | 38 @40 |
| | 25 | 33 @33½ | 40½ | *32 | | 25 | *32½@33 | 44 | *33 @34 |
| August | 1 | *28 | 39½@40½ | 34½ | August | 1 | 30 | 42½@43 | 36 |
| | 8 | 26½ | *33 | 34 @34¼ | | 8 | 27½@28½ | *34½@35 | 36 @36½ |
| | 15 | 25 | 33½ | 34 @34½ | | 15 | 28¼@28¾ | 35 @35¼ | 35½@36 |
| | 22 | 25 @25½ | 33¼@33½ | 34½ | | 22 | 28 @28¾ | 35 @35½ | 36 |
| | 29 | 25½@26 | 33 | 35 @35½ | | 29 | 28 @28½ | 35 | 37 @37½ |
| September | 5 | 26 @26½ | 33 @33¼ | 37 @37½ | September | 5 | 27¾@28 | 33¾ | 41 @41½ |
| | 12 | 27 @27½ | 33¾ | 38 | | 12 | 28 @28½ | 34½@35 | 41 |
| | 19 | 27¼@28¾ | 33¾@34 | 38½ | | 19 | 29½@30 | 34½@35 | 41 |
| | 26 | 29½@30 | 33 @33¼ | 38 @38½ | | 26 | 30½ | 33½ | 40 |
| October | 3 | 29 @30 | 33¼@33½ | 38 @38½ | October | 3 | 30½@31 | 33½@34 | 39½@40 |
| | 10 | 29½ | 32½ | 38 @38½ | | 10 | 30½ | 33 | 39½@40¼ |
| | 17 | 29½@30 | 31¾@32¼ | 37 | | 17 | 31 | 33 | 39 @39½ |
| | 24 | 30½@31 | 31½@31¾ | 36½@37 | | 24 | 31 @31½ | 32½ | 38½ |
| | 31 | 31¼@32 | 31½ | 36½@36¾ | | 31 | 33 | 32¼@32½ | 38½@39 |
| November | 7 | 32 @32½ | 31 @31¼ | 35½@36 | November | 7 | 32½@33 | 32 | 38¼@39 |
| | 14 | 33 @33½ | 32½ | 36½ | | 14 | 33 @33½ | 33 | 39 @39½ |
| | 21 | 33 @33½ | 33 @33½ | 36½@37 | | 21 | 33½@34½ | 33½@34 | 39 @39½ |
| | 28 | 33 @33¼ | 32½@33 | 37 @37½ | | 28 | 35 | 33½ | 39 @40 |
| December | 5 | 33 | 33 | 38½@39 | December | 5 | 35 | 33¾ | 41 @41½ |
| | 12 | 34 @34½ | 33 | 38½ | | 12 | 35 @35½ | 34 | 40½ |
| | 19 | 34 @34½ | 33 @33¼ | 38½@39 | | 19 | 35 @36 | 34 | 40 |
| | 26 | 34 @34½ | 33½ | 37½@37¾ | | 26 | 34 @35 | 34 | 40 |

*New.

## PRICES OF MALT.

Prices of Spring Barley Malt ranged during the year by months as follows:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| January | 58@65 | April | 57@65 | July | 57@62 | October | 57@62 |
| February | 58@65 | May | 57@62 | August | 57@62 | November | 57@62 |
| March | 58@65 | June | 57@62 | September | 57@62 | December | 57@65 |

NOTE.—General average for the year 1905, 60.

## MONTHLY RECEIPTS AND SHIPMENTS OF GRAIN.

Monthly receipts and shipments of Grain, in bushels, at Cincinnati, for the year ending December 31, 1905, exclusive of through movement:

| MONTHS. | RECEIPTS. | | | | | SHIPMENTS. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | WHEAT. | CORN. | OATS. | RYE. | BARLEY. | WHEAT. | CORN. | OATS. | RYE. | BARLEY. |
| January..... | 137,815 | 893,380 | 350,370 | 27,255 | 114,010 | 119,287 | 425,448 | 188,317 | 14,114 | 3,000 |
| February.... | 93,819 | 662,220 | 438,489 | 20,180 | 105,000 | 75,698 | 430,889 | 222,158 | 11,292 | 1,062 |
| March..... | 112,496 | 797,346 | 460,781 | 74,426 | 132,215 | 66,680 | 363,614 | 345,093 | 39,608 | 7,199 |
| April ..... | 79,690 | 415,103 | 391,109 | 61,004 | 43,214 | 74,938 | 208,794 | 274,463 | 17,924 | 20 |
| May ..... | 82,818 | 445,218 | 500,350 | 7,042 | 7,000 | 62,414 | 240,448 | 271,961 | 7,800 | 110 |
| June..... | 87,398 | 741,476 | 505,406 | 15,381 | 37,000 | 97,790 | 295,022 | 379,469 | 2,616 | ..... |
| July ..... | 549,993 | 497,546 | 526,753 | 26,113 | 8,000 | 233,824 | 380,015 | 257,383 | 524 | 14 |
| August..... | 497,611 | 507,284 | 1,342,854 | 83,954 | 9,000 | 457,532 | 206,760 | 896,598 | 24,560 | 70 |
| September... | 411,397 | 283,266 | 751,350 | 52,576 | 18,190 | 327,372 | 190,892 | 745,582 | 9,990 | 80 |
| October..... | 385,394 | 409,416 | 904,564 | 58,358 | 135,080 | 324,272 | 146,026 | 690,805 | 4,458 | 193 |
| November... | 224,492 | 1,079,628 | 829,215 | 106,750 | 197,020 | 255,166 | 449,865 | 584,975 | 12,522 | 51,082 |
| December.... | 181,268 | 1,151,339 | 837,526 | 62,719 | 366,050 | 189,112 | 637,950 | 648,210 | 35,254 | 126,098 |
| Totals..... | 2,844,191 | 7,883,222 | 7,838,767 | 595,758 | 1,171,779 | 2,284,085 | 3,975,723 | 5,505,071 | 180,662 | 188,928 |

## STOCKS OF FLOUR.

Stocks of Flour, at Cincinnati, on date indicated, representing barrels:

| DATES. | WHEAT. | RYE. | TOTAL. | DATES. | WHEAT. | RYE. | TOTAL. |
|---|---|---|---|---|---|---|---|
| June 1, 1897..... | 23,576 | 1,677 | 25,253 | January 1, 1897... | 36,691 | 3,037 | 39,728 |
| June 1, 1898..... | 34,937 | 2,157 | 37,094 | January 1, 1898... | 44,034 | 2,053 | 46,087 |
| June 1, 1899..... ... | 42,027 | 2,820 | 44,847 | January 1, 1899... | 40,752 | 2,842 | 43,594 |
| June 1, 1900..... | 35,653 | 1,449 | 37,102 | January 1, 1900... | 44,514 | 1,573 | 46,087 |
| June 1, 1901..... | 39,749 | 1,285 | 41,034 | January 1, 1901... | 45,494 | 1,865 | 47,359 |
| June 1, 1902..... | 42,832 | 1,597 | 44,429 | January 1, 1902... | 39,968 | 1,321 | 41,289 |
| June 1, 1903..... | 52,537 | 1,682 | 54,219 | January 1, 1903... | 54,399 | 2,014 | 56,413 |
| Jan. 1, 1894..... | 48,876 | 1,121 | 49,997 | January 1, 1904... | 48,828 | 1,255 | 50,083 |
| Jan. 1, 1895..... | 50,483 | 2,386 | 52,869 | January 1, 1905... | 47,522 | 1,686 | 49,208 |
| Jan. 1, 1896..... | 45,255 | 1,914 | 47,169 | January 1, 1906... | 63,024 | 2,875 | 65,899 |

## UNITED STATES CEREAL PRODUCTION.

Department of Agriculture estimates of Cereal Crops, representing bushels:

| YEARS. | WHEAT. | CORN. | OATS. | RYE. | BARLEY. | BUCKWHEAT. | TOTAL. |
|---|---|---|---|---|---|---|---|
| 1890..... | 399,262,000 | 1,489,970,000 | 523,621,000 | 28,000,000 | 68,000,000 | 11,000,000 | 2,520,000,000 |
| 1891..... | 611,780,000 | 2,060,154,000 | 738,394,000 | 33,000,000 | 80,000,000 | 12,000,000 | 3,535,000,000 |
| 1892..... | 515,949,000 | 1,628,464,000 | 661,035,000 | 30,000,000 | 72,000,000 | 11,000,000 | 2,918,000,000 |
| 1893..... | 396,132,000 | 1,619,496,000 | 638,855,000 | 26,555,000 | 69,869,000 | 12,132,000 | 2,763,039,000 |
| 1894..... | 460,267,000 | 1,212,770,000 | 662,037,000 | 26,727,000 | 61,400,000 | 12,668,000 | 2,435,869,000 |
| 1895..... | 467,103,000 | 2,151,138,000 | 824,443,000 | 27,210,000 | 87,073,000 | 15,341,000 | 3,572,308,000 |
| 1896..... | 427,684,000 | 2,283,875 000 | 707,346,000 | 24,369,000 | 69,695,000 | 14,090,000 | 3,512,969,000 |
| 1897..... | 530,149,000 | 1,902,968,000 | 698,768,000 | 27,363,000 | 66,685,000 | 14,997,000 | 3,240,930,000 |
| 1898..... | 675,149,000 | 1,924,185,000 | 730,905,000 | 25,657,000 | 55,792,000 | 11,722,000 | 3,423,410,000 |
| 1899..... | 547,304,000 | 2,078,144,000 | 796,178,000 | 23,962,000 | 73,381,000 | 11,094,000 | 3,530,063,000 |
| 1900..... | 522,230,000 | 2,105,102,000 | 809,126,000 | 23,996,000 | 58,926,000 | 9,567,000 | 3,528,947,000 |
| 1901..... | 748,460,000 | 1,522,520,000 | 736,809,000 | 30,345,000 | 109,933,000 | 15,126,000 | 3,163,193,000 |
| 1902..... | 670,063,000 | 2,523,648,000 | 987,842,000 | 33,630,000 | 134,954,000 | 14,530,000 | 4,364,667,000 |
| 1903..... | 637,822,000 | 2,244,177,000 | 784,094,000 | 29,363,000 | 131,861,000 | 14,243,000 | 3,841,560,000 |
| 1904..... | 552,400,000 | 2,467,481,000 | 894,595,000 | 27.235,000 | 139,749,000 | 15,008,000 | 4,096,468,000 |
| 1905..... | 692,979,000 | 2,707,993,000 | 953,216,000 | 27,616,000 | 136,651,000 | 14,585,000 | 4,533,040,000 |

# PRICES OF FLOUR.

Quotations for Winter Family, Extra and Low grades and Spring Family Flour, at Cincinnati, on Tuesday of each week, in two years:

| DATES. | WINTER FAMILY. | | EXTRA. | | LOW GRADES. | | SPRING FAMILY. | |
|---|---|---|---|---|---|---|---|---|
| | 1905 | 1904 | 1905 | 1904 | 1905 | 1904 | 1905 | 1904 |
| January 3.... | $4 25@4 60 | $3 25@3 55 | $3 75@4 00 | $2 75@2 90 | $3 20@3 50 | $2 50@2 65 | $4 70@4 90 | $3 70@3 80 |
| 10.... | 4 25@4 60 | 3 30@3 65 | 3 75@4 00 | 2 80@3 00 | 3 20@3 50 | 2 55@2 75 | 4 70@4 90 | 3 75@3 90 |
| 17.... | 4 35@4 70 | 3 30@3 65 | 3 85@4 05 | 2 80@3 00 | 3 25@3 60 | 2 55@2 75 | 4 80@5 00 | 3 75@3 90 |
| 24.... | 4 35@4 70 | 3 50@3 75 | 3 85@4 05 | 2 90@3 10 | 3 25@3 60 | 2 55@2 75 | 4 80@5 00 | 3 75@3 90 |
| 31.... | 4 35@4 70 | 3 50@3 75 | 3 85@4 05 | 2 90@3 10 | 3 25@3 60 | 2 55@2 75 | 4 80@5 00 | 3 75@3 90 |
| February 7.... | 4 35@4 70 | 3 70@3 90 | 3 85@4 05 | 3 00@3 20 | 3 25@3 60 | 2 60@2 85 | 4 80@5 00 | 3 50@3 75 |
| 14.... | 4 35@4 70 | 3 85@4 00 | 3 85@4 05 | 3 25@3 50 | 3 25@3 60 | 2 75@3 00 | 4 80@5 00 | 3 95@4 10 |
| 21.... | 4 35@4 70 | 4 00@4 15 | 3 85@4 05 | 3 35@3 65 | 3 25@3 60 | 2 90@3 20 | 4 80@5 00 | 4 15@4 30 |
| 28.... | 4 35@4 70 | 4 10@4 35 | 3 50@3 90 | 3 45@3 75 | 3 00@3 30 | 3 00@3 30 | 4 25@4 50 | 4 20@4 50 |
| March 7 .... | 4 35@4 70 | 4 10@4 35 | 3 50@3 90 | 3 45@3 75 | 3 00@3 30 | 3 00@3 30 | 4 25@4 50 | 4 20@4 50 |
| 14.... | 4 25@4 65 | 4 10@4 35 | 3 35@3 75 | 3 45@3 75 | 2 90@3 20 | 3 00@3 30 | 4 25@4 45 | 4 20@4 50 |
| 21.... | 4 25@4 65 | 4 10@4 35 | 3 35@3 75 | 3 45@3 75 | 2 90@3 20 | 3 00@3 30 | 4 25@4 45 | 4 20@4 50 |
| 28.... | 4 25@4 65 | 4 10@4 35 | 3 35@3 75 | 3 45@3 75 | 2 90@3 20 | 3 00@3 30 | 4 25@4 45 | 4 20@4 50 |
| April 4.... | 4 15@4 50 | 4 10@4 35 | 3 15@3 65 | 3 45@3 75 | 2 80@3 00 | 3 00@3 30 | 4 15@4 35 | 4 20@4 50 |
| 11.... | 4 15@4 50 | 4 10@4 35 | 3 15@3 65 | 3 45@3 75 | 2 80@3 00 | 3 00@3 30 | 4 15@4 35 | 4 20@4 50 |
| 18.... | 4 15@4 50 | 4 00@4 25 | 3 15@3 65 | 3 35@3 65 | 2 80@3 00 | 2 90@3 20 | 4 15@4 35 | 4 00@4 25 |
| 25.... | 4 00@4 35 | 4 00@4 25 | 3 00@3 50 | 3 35@3 65 | 2 75@3 00 | 2 90@3 20 | 4 15@4 35 | 4 00@4 25 |
| May 2.... | 3 75@4 00 | 4 00@4 25 | 3 00@3 25 | 3 35@3 65 | 2 70@2 90 | 2 90@3 20 | 3 75@4 15 | 4 00@4 25 |
| 9.... | 3 75@4 00 | 4 00@4 25 | 3 00@3 25 | 3 35@3 65 | 2 70@2 90 | 2 90@3 20 | 3 75@4 15 | 4 00@4 25 |
| 16.... | 3 75@4 00 | 4 00@4 25 | 3 00@3 25 | 3 35@3 65 | 2 70@2 90 | 2 90@3 20 | 4 00@4 25 | 4 00@4 25 |
| 23.... | 3 75@4 00 | 4 00@4 25 | 3 00@3 25 | 3 35@3 65 | 2 70@2 90 | 2 90@3 20 | 4 15@4 40 | 4 00@4 25 |
| 30.... | 3 75@4 00 | 4 00@4 25 | 3 00@3 25 | 3 35@3 65 | 2 70@2 90 | 2 90@3 20 | 4 15@4 40 | 4 00@4 25 |
| June 6.... | 3 75@4 00 | 4 00@4 25 | 3 00@3 25 | 3 35@3 65 | 2 70@2 90 | 2 90@3 20 | 4 15@4 40 | 4 00@4 25 |
| 13.... | 3 75@4 00 | 4 00@4 25 | 3 00@3 25 | 3 35@3 65 | 2 70@2 90 | 2 90@3 20 | 4 15@4 40 | 4 00@4 25 |
| 20.... | 3 50@3 85 | 4 00@4 25 | 3 00@3 25 | 3 35@3 65 | 2 70@2 90 | 2 90@3 20 | 4 15@4 40 | 4 00@4 25 |
| 27.... | 3 50@3 85 | 4 00@4 25 | 3 00@3 25 | 3 35@3 65 | 2 70@2 90 | 2 90@3 20 | 4 15@4 40 | 4 00@4 25 |
| July 4.... | 3 35@3 85 | 3 75@4 00 | 3 00@4 25 | 3 00@3 25 | 2 70@2 90 | 2 70@2 90 | 4 15@4 40 | 3 85@4 10 |
| 11.... | 3 35@3 85 | 3 75@4 00 | 3 00@3 25 | 3 00@3 25 | 2 70@2 90 | 2 70@2 90 | 4 15@4 40 | 3 85@4 10 |
| 18.... | 3 35@3 85 | 3 75@4 00 | 3 00@3 25 | 3 00@3 25 | 2 70@2 90 | 2 70@2 90 | 4 15@4 40 | 3 85@4 10 |
| 25.... | 3 35@3 85 | 3 75@4 00 | 3 00@3 25 | 3 00@3 25 | 2 70@2 90 | 2 70@2 90 | 4 15@4 40 | 3 85@4 10 |
| August 1.... | 3 50@3 75 | 3 75@4 00 | 3 00@3 25 | 3 00@3 25 | 2 70@2 90 | 2 70@2 90 | 4 00@4 25 | 4 00@4 30 |
| 8.... | 3 50@3 75 | 3 75@4 00 | 3 00@3 25 | 3 00@3 25 | 2 70@2 90 | 2 70@2 90 | 4 00@4 25 | 4 00@4 30 |
| 15.... | 3 40@3 65 | 3 75@4 00 | 2 90@3 15 | 3 00@3 25 | 2 60@2 80 | 2 70@2 90 | 3 90@4 15 | 4 25@4 65 |
| 22.... | 3 40@3 65 | 3 95@4 15 | 2 90@3 15 | 3 25@3 50 | 2 60@2 80 | 2 90@3 15 | 3 90@4 15 | 4 70@4 90 |
| 29.... | 3 25@3 50 | 3 95@4 15 | 2 80@3 10 | 3 25@3 50 | 2 50@2 70 | 2 90@3 15 | 3 90@4 15 | 4 70@4 90 |
| September 5.... | 3 25@3 50 | 3 95@4 15 | 2 80@3 10 | 3 25@3 50 | 2 50@2 70 | 2 90@3 15 | 3 80@4 00 | 4 70@4 90 |
| 12.... | 3 10@3 40 | 4 25@4 50 | 2 70@3 00 | 3 75@4 00 | 2 40@2 60 | 3 15@3 40 | 3 80@4 00 | 4 85@5 00 |
| 19.... | 3 10@3 40 | 4 35@4 60 | 2 70@3 00 | 3 85@4 10 | 2 40@2 60 | 3 25@3 50 | 3 65@3 90 | 4 95@5 10 |
| 26.... | 3 20@3 50 | 4 35@4 60 | 2 80@3 10 | 3 85@4 10 | 2 50@2 70 | 3 25@3 50 | 3 80@4 00 | 4 95@5 10 |
| October 3.... | 3 20@3 50 | 4 45@4 70 | 2 80@3 10 | 3 95@4 20 | 2 50@2 70 | 3 35@3 60 | 3 80@4 00 | 4 95@5 10 |
| 10.... | 3 20@3 50 | 4 45@4 70 | 2 80@3 10 | 3 95@4 20 | 2 50@2 70 | 3 35@3 60 | 3 80@4 00 | 4 95@5 10 |
| 17.... | 3 20@3 50 | 4 45@4 70 | 2 80@3 10 | 3 95@4 20 | 2 50@2 70 | 3 35@3 60 | 3 80@4 00 | 4 95@5 10 |
| 24.... | 3 20@3 50 | 4 45@4 70 | 2 80@3 10 | 3 95@4 20 | 2 50@2 70 | 3 35@3 60 | 3 80@4 00 | 4 95@5 10 |
| 31.... | 3 30@3 60 | 4 45@4 70 | 2 90@3 20 | 3 95@4 20 | 2 60@2 80 | 3 35@3 60 | 3 80@4 00 | 4 95@5 10 |
| November 7.... | 3 30@3 60 | 4 45@4 70 | 2 90@3 20 | 3 95@4 20 | 2 60@2 80 | 3 35@3 60 | 3 80@4 00 | 4 95@5 10 |
| 14.... | 3 30@3 60 | 4 45@4 70 | 2 90@3 20 | 3 95@4 20 | 2 60@2 80 | 3 35@3 60 | 3 80@4 00 | 4 95@5 10 |
| 21.... | 3 30@3 60 | 4 45@4 70 | 2 90@3 20 | 3 95@4 20 | 2 60@2 80 | 3 35@3 60 | 3 80@4 00 | 4 95@5 10 |
| 28.... | 3 25@3 60 | 4 25@4 60 | 2 90@3 20 | 3 75@4 00 | 2 60@2 80 | 3 20@3 50 | 3 70@3 90 | 4 70@4 90 |
| December 5.... | 3 25@3 60 | 4 25@4 60 | 2 90@3 20 | 3 75@4 00 | 2 60@2 80 | 3 20@3 50 | 3 70@3 90 | 4 70@4 90 |
| 12.... | 3 35@3 60 | 4 25@4 60 | 2 90@3 20 | 3 75@4 00 | 2 60@2 80 | 3 20@3 50 | 3 70@3 90 | 4 70@4 90 |
| 19.... | 3 35@3 60 | 4 25@4 60 | 2 90@3 20 | 3 75@4 00 | 2 60@2 80 | 3 20@3 50 | 3 70@3 90 | 4 70@4 90 |
| 26.... | 3 35@3 60 | 4 25@4 60 | 2 90@3 20 | 3 75@4 00 | 2 60@2 80 | 3 20@3 50 | 3 70@3 90 | 4 70@4 90 |

Monthly movement of Flour, representing barrels, at Cincinnati, in 1905:

| MONTHS. | Receipts. | Shipm'ts. | MONTHS. | Receipts. | Shipm'ts. | MONTHS. | Receipts. | Shipm'ts |
|---|---|---|---|---|---|---|---|---|
| January | 121,933 | 104,267 | May | 91,113 | 56,634 | September | 163,322 | 120,530 |
| February | 93,306 | 59,107 | June | 80,849 | 14,412 | October | 150,693 | 88,120 |
| March | 127,963 | 79,205 | July | 84,525 | 47,511 | November | 122,300 | 76,415 |
| April | 76,613 | 43,631 | August | 134,430 | 76,676 | December | 160,120 | 107,107 |

## YEARLY PRICES OF FLOUR.

Average yearly prices of Family, Extra and Low grades of Winter Wheat Flour, and Family grade of Spring Wheat Flour, also lowest and highest range of prices yearly of Winter Family grade, per barrel, at Cincinnati, for commercial years ending August 31, to 1891-92, and calendar years subsequently:

| YEARS. | AVERAGE ANNUAL PRICES. | | | | WINTER FAMILY. | |
|---|---|---|---|---|---|---|
| | Winter Family. | Winter Extra. | Winter Low Grades. | Spring Family. | Lowest. | Highest. |
| 1878-79 | $4 60 | $4 07 | $3 30 | $4 69 | $4 00@4 25 | $5 25@5 50 |
| 1879-80 | 5 52 | 4 85 | 4 11 | 5 77 | 4 40@4 85 | 6 25@6 50 |
| 1880-81 | 5 16 | 4 51 | 3 80 | 5 41 | 4 25@4 65 | 6 85@7 10 |
| 1881-82 | 6 18 | 5 56 | 4 82 | 6 95 | 4 50@5 25 | 7 25@7 40 |
| 1882-83 | 4 76 | 4 06 | 3 46 | 5 56 | 4 10@4 40 | 5 15@5 40 |
| 1883-84 | 4 64 | 3 58 | 3 09 | 5 14 | 3 60@4 00 | 4 85@5 15 |
| 1884-85 | 3 88 | 3 23 | 2 90 | 4 26 | 3 00@3 50 | 4 50@4 90 |
| 1885-86 | 4 05 | 3 33 | 2 89 | 4 10 | 3 25@3 60 | 4 50@4 75 |
| 1886-87 | 3 46 | 2 97 | 2 65 | 3 70 | 3 00@3 30 | 3 75@4 00 |
| 1887-88 | 3 52 | 3 03 | 2 69 | 3 88 | 3 00@3 30 | 3 85@4 15 |
| 1888-89 | 4 03 | 3 45 | 2 99 | 4 49 | 3 15@3 40 | 4 90@5 25 |
| 1889-90 | 3 29 | 2 79 | 2 34 | 3 84 | 2 80@3 00 | 4 00@4 35 |
| 1890-91 | 4 04 | 3 64 | 3 06 | 4 60 | 3 50@3 75 | 4 50@4 65 |
| 1891-92 | 3 65 | 3 20 | 2 70 | 4 20 | 2 50@2 85 | 4 00@4 15 |
| 1892 | 3 10 | 2 70 | 2 25 | 3 70 | 2 25@2 65 | 3 75@3 85 |
| 1893 | 2 30 | 2 00 | 1 75 | 2 95 | 2 00@2 15 | 2 40@2 60 |
| 1894 | 2 10 | 1 92 | 1 75 | 2 47 | 2 00@2 10 | 2 15@2 25 |
| 1895 | 2 72 | 2 43 | 2 12 | 2 79 | 2 00@2 10 | 3 55@3 80 |
| 1896 | 2 90 | 2 37 | 2 00 | 2 89 | 2 20@2 50 | 3 75@4 00 |
| 1897 | 3 55 | 3 04 | 2 55 | 3 72 | 3 00@3 35 | 3 75@4 00 |
| 1898 | 3 43 | 3 00 | 2 54 | 3 90 | 2 35@2 60 | 5 00@5 25 |
| 1899 | 2 55 | 2 14 | 1 88 | 3 03 | 2 35@2 60 | 2 55@2 75 |
| 1900 | 2 96 | 2 24 | 1 94 | 3 11 | 2 35@2 70 | 3 25@3 50 |
| 1901 | 2 64 | 2 25 | 1 99 | 2 99 | 2 20@2 55 | 3 00@3 25 |
| 1902 | 3 00 | 2 75 | 2 55 | 3 05 | 2 70@2 90 | 3 10@3 35 |
| 1903 | 3 15 | 2 70 | 2 45 | 3 50 | 2 65@2 90 | 3 25@3 55 |
| 1904 | 4 15 | 3 55 | 3 10 | 4 40 | 3 25@3 55 | 4 45@4 70 |
| 1905 | 3 85 | 3 25 | 2 85 | 4 20 | 3 10@3 40 | 4 35@4 70 |

NOTE.—Quotations under heading of Low Grades were for Winter Superfine prior to 1889-90.

## MONTHLY PRICES OF MILL FEED.

Range of monthly prices of Bran, Coarse Middlings, Fine Middlings and Mixed Feed, per ton, at Cincinnati, during the year 1905, as indicated:

| MONTHS. | BRAN. | COARSE MIDDLINGS. | FINE MIDDLINGS. | MIXED FEED. |
|---|---|---|---|---|
| January | $17 50 @ 18 50 | $19 00 @ 19 50 | $20 00 @ 21 00 | $18 00 @ 19 50 |
| February | 18 00 @ 18 50 | 19 00 @ 19 50 | 20 00 @ 21 00 | 19 00 @ 19 50 |
| March | 18 00 @ 18 50 | 19 00 @ 19 50 | 20 00 @ 21 00 | 19 00 @ 19 50 |
| April | 14 50 @ 18 50 | 16 00 @ 19 50 | 17 00 @ 21 00 | 15 50 @ 19 50 |
| May | 14 00 @ 16 00 | 15 50 @ 16 50 | 16 50 @ 18 00 | 15 00 @ 16 50 |
| June | 15 00 @ 16 00 | 16 00 @ 16 50 | 17 00 @ 18 00 | 16 00 @ 16 50 |
| July | 15 00 @ 16 50 | 16 00 @ 16 50 | 17 00 @ 18 00 | 16 00 @ 17 00 |
| August | 14 50 @ 16 50 | 15 50 @ 16 50 | 16 50 @ 18 00 | 14 50 @ 17 00 |
| September | 13 75 @ 14 50 | 15 50 @ 16 00 | 16 50 @ 17 50 | 14 50 @ 15 00 |
| October | 13 75 @ 14 75 | 15 50 @ 16 00 | 16 50 @ 17 50 | 14 50 @ 15 50 |
| November | 14 25 @ 15 50 | 15 50 @ 16 50 | 16 50 @ 17 50 | 15 00 @ 16 00 |
| December | 14 75 @ 16 00 | 16 00 @ 17 00 | 17 00 @ 18 00 | 15 50 @ 16 50 |

## ANNUAL RECEIPTS AND SHIPMENTS OF HOG PRODUCT.

Annual receipts of Hog Product, at Cincinnati, for commercial years ending August 31, to 1891-92, and calendar years subsequently:

| YEARS. | Pork, bbls. | Bacon, lbs. | Hams, lbs. | D.S.Meats, in boxes, lbs. | *D.S.Meats, loose, lbs. | Total Meats, lbs. | Lard, in bbls. or tcs. lbs. |
|---|---|---|---|---|---|---|---|
| 1880-81 | 3,241 | 864,312 | 4,691,742 | 5,099,600 | 35,744,308 | 46,399,962 | 13,045,014 |
| 1881-82 | 3,034 | 1,201,546 | 4,525,791 | 1,906,250 | 42,106,174 | 49,739,761 | 6,755,006 |
| 1882-83 | 7,260 | 781,400 | 4,323,214 | 1,679,000 | 23,801,430 | 30,585,044 | 7,845,508 |
| 1883-84 | 3,846 | 950,017 | 5,534,619 | 780,500 | 40,827,342 | 48,092,478 | 7,187,949 |
| 1884-85 | 9,078 | 1,089,543 | 7,046,047 | 2,179,900 | 59,766,610 | 70,082,100 | 12,002,638 |
| 1885-86 | 13,405 | 712,814 | 8,987,031 | 3,730,110 | 82,137,199 | 95,567,157 | 13,824,712 |
| 1886-87 | 10,973 | 553,330 | 7,170,410 | 4,849,500 | 67,764,992 | 80,338,232 | 22,151,299 |
| 1887-88 | 6,999 | 784,950 | 6,438,392 | 5,139,850 | 52,132,914 | 64,496,106 | 15,050,905 |
| 1888-89 | 10,824 | 1,946,331 | 7,276,160 | 5,972,630 | 56,817,656 | 72,012,777 | 14,471,656 |
| 1889-90 | 7,278 | 5,034,610 | 8,936,027 | 9,717,500 | 51,645,183 | 75,333,320 | 14,599,057 |
| 1890-91 | 5,438 | 5,841,070 | 8,661,310 | 11,042,000 | 71,157,590 | 96,701,970 | 21,288,600 |
| 1891-92 | 11,532 | 5,942,090 | 9,791,783 | 8,571,000 | 77,744,551 | 102,049,924 | 26,248,270 |
| 1892 | 12,168 | 5,632,480 | 10,134,603 | 7,985,000 | 68,908,224 | 92,570,307 | 20,669,630 |
| 1893 | 6,956 | 4,450,320 | 5,875,670 | 5,446,000 | 42,500,900 | 58,272,890 | 15,625,710 |
| 1894 | 6,672 | 4,533,200 | 9,727,430 | 8,282,500 | 47,543,970 | 70,087,100 | 34,251,870 |
| 1895 | 6,439 | 7,242,209 | 9,981,186 | 4,715,000 | 72,173,964 | 94,112,359 | 29,825,660 |
| 1896 | 8,123 | 7,130,618 | 10,936,845 | 1,991,500 | 74,847,596 | 94,906,559 | 54,962,260 |
| 1897 | 6,367 | 8,107,031 | 11,747,161 | 4,728,500 | 84,419,192 | 109,001,884 | 59,248,050 |
| 1898 | 7,584 | 8,939,225 | 10,607,747 | 5,737,500 | 106,317,704 | 131,602,176 | 50,138,670 |
| 1899 | 4,689 | 5,407,369 | 13,903,463 | 6,339,327 | 107,520,077 | 133,170,236 | 55,468,300 |
| 1900 | 4,339 | 4,973,000 | 7,254,135 | 5,498,500 | 111,583,237 | 129,308,872 | 51,000,446 |
| 1901 | 7,696 | 3,478,375 | 11,451,391 | 11,926,500 | 140,641,491 | 167,497,757 | 44,827,334 |
| 1902 | 7,258 | 1,945,586 | 6,575,934 | 10,046,500 | 110,458,369 | 129,026,389 | 31,144,879 |
| 1903 | 1,431 | 1,241,004 | 7,583,283 | 6,436,500 | 85,261,843 | 100,522,630 | 25,335,227 |
| 1904 | 3,426 | 1,010,103 | 5,966,008 | 3,764,500 | 83,917,486 | 94,658,097 | 34,903,544 |
| 1905 | 4,170 | 1,517,959 | 7,136,275 | 5,775,500 | 88,860,064 | 103,289,798 | 44,989,341 |

* Including Green Meats.

Annual shipments of Hog Product, at Cincinnati, for commercial years ending August 31, to 1891-92, and calendar years subsequently:

| YEARS. | Pork, bbls. | Bacon, lbs. | Hams, lbs. | D.S.Meats, in boxes, lbs. | D.S.Meats, loose, lbs. | Total Meats, lbs. | Lard, in bbls. or tcs. lbs. |
|---|---|---|---|---|---|---|---|
| 1880-81 | 49,639 | 17,912,562 | 16,890,860 | 19,606,118 | 55,755,612 | 110,165,152 | 41,893,108 |
| 1881-82 | 17,503 | 20,822,492 | 13,697,246 | 8,751,840 | 48,904,210 | 92,175,788 | 24,205,955 |
| 1882-83 | 25,035 | 13,959,498 | 13,642,320 | 9,329,477 | 45,381,523 | 82,312,818 | 31,016,021 |
| 1883-84 | 19,495 | 16,781,225 | 13,730,304 | 6,153,760 | 52,007,307 | 88,672,596 | 25,019,197 |
| 1884-85 | 21,533 | 15,408,961 | 15,833,615 | 7,210,900 | 66,354,504 | 104,807,980 | 29,605,373 |
| 1885-86 | 19,813 | 17,804,775 | 16,719,140 | 7,027,115 | 95,275,105 | 136,826,135 | 34,280,705 |
| 1886-87 | 21,400 | 14,964,148 | 15,251,802 | 8,709,750 | 71,194,065 | 110,119,765 | 37,850,280 |
| 1887-88 | 10,157 | 12,751,470 | 12,285,099 | 6,728,250 | 57,032,097 | 88,796,916 | 27,328,732 |
| 1888-89 | 14,101 | 15,057,055 | 15,192,010 | 8,781,030 | 64,875,376 | 103,905,471 | 30,767,221 |
| 1889-90 | 9,868 | 18,451,619 | 17,272,186 | 12,623,300 | 51,522,322 | 102,869,727 | 32,944,779 |
| 1890-91 | 7,343 | 18,577,439 | 17,219,945 | 12,903,500 | 75,999,592 | 124,700,476 | 35,995,984 |
| 1891-92 | 12,771 | 18,253,240 | 19,249,575 | 10,716,830 | 81,920,783 | 130,140,428 | 40,582,995 |
| 1892 | 13,247 | 17,052,725 | 18,600,245 | 9,768,700 | 70,670,218 | 116,091,888 | 34,556,845 |
| 1893 | 6,990 | 11,902,410 | 10,102,805 | 4,665,500 | 41,581,805 | 68,252,520 | 25,169,865 |
| 1894 | 5,417 | 9,914,990 | 13,107,200 | 7,522,500 | 49,949,900 | 80,494,590 | 47,721,590 |
| 1895 | 5,801 | 12,351,590 | 13,557,930 | 5,689,500 | 75,754,019 | 107,353,039 | 45,475,790 |
| 1896 | 7,726 | 14,159,414 | 15,986,905 | 5,424,000 | 76,067,621 | 111,637,940 | 73,058,310 |
| 1897 | 6,426 | 16,073,890 | 16,149,880 | 5,983,500 | 83,702,302 | 121,909,572 | 75,563,590 |
| 1898 | 7,829 | 19,249,094 | 18,969,561 | 8,085,200 | 108,107,523 | 154,411,378 | 65,952,250 |
| 1899 | 5,280 | 20,605,718 | 24,815,470 | 12,087,000 | 110,191,864 | 167,700,052 | 76,886,410 |
| 1900 | 4,568 | 18,868,339 | 18,272,910 | 9,360,500 | 109,957,719 | 156,459,468 | 67,802,658 |
| 1901 | 8,446 | 19,420,868 | 22,893,827 | 16,291,000 | 139,370,681 | 197,976,376 | 58,424,450 |
| 1902 | 7,090 | 12,011,547 | 15,552,892 | 10,898,000 | 110,387,764 | 148,850,203 | 43,649,318 |
| 1903 | 1,539 | 6,576,403 | 14,358,380 | 7,038,000 | 83,187,081 | 111,159,864 | 36,099,790 |
| 1904 | 3,592 | 6,328,739 | 13,191,767 | 6,395,000 | 90,103,146 | 116,018,652 | 47,774,711 |
| 1905 | 3,577 | 5,318,932 | 10,164,556 | 9,070,500 | 93,842,794 | 118,396,782 | 61,036,517 |

## PRICES OF MESS PORK, HAMS AND LARD.

Quotations for Mess Pork, per barrel, the best Sugar-cured Hams and for Winter Prime Steam Lard, per pound, at Cincinnati, on Tuesday of each week, during two calendar years:

| DATES. | MESS PORK. | | SUGAR-CURED HAMS. | | PRIME STEAM LARD. | |
|---|---|---|---|---|---|---|
| | 1905 | 1904 | 1905 | 1904 | 1905 | 1904 |
| January 3 | $12 50 | $13 00 | 11.00 | 12.00@13.00 | 6.55 @6.65 | 6.47½ |
| 10 | 12 75 | 13 00 | 10.75 | 12 00@13.00 | 6.35 @6·40 | 6.55 |
| 17 | 12 50 | 13 00 | 10.75 | 12.00@13.00 | 6.30 @6.35 | 6.60 |
| 24 | 13 00 | 13 62½ | 10.75 | 12.00@12 50 | 6.50 @6.60 | 6.82½ |
| 31 | 13 00 | 13 25 | 10.75 | 12.00@12.50 | 6.45 @6.50 | 6.75 |
| February 7 | 13 00 | 14 50 | 10.75 | 12.00@12.50 | 6.40 @6.50 | 7.05 |
| 14 | 13 00 | 14 50 | 10.75 | 12.00@12.50 | 6.45 @6.50 | 6.95 |
| 21 | 13 00 | 15 75 | 10.75 | 12 00@12.50 | 6.40 @6.50 | 7.37½ |
| 28 | 13 00 | 16 00 | 10.75 | 12.00@12.50 | 6.55 @6.60 | 7.20 |
| March 7 | 13 00 | 14 25 | 10.75 | 12.00@12.50 | 6.60 @6.65 | 6.82½ |
| 14 | 13 00 | 14 25 | 10.75 | 12.00@12.50 | 6.60 @6 65 | 6.75 |
| 21 | 13 00 | 13 75 | 11.00 | 12.00@12.50 | 6.80 @6 85 | 6.52½ |
| 28 | 13 00 | 13 50 | 11.00 | 12.00@12.50 | 6.80 @6.85 | 6.67½ |
| April 4 | 13 25 | 13 50 | 10.50@11.00 | 12.00@12.50 | 6.80 @6.90 | 6.45 |
| 11 | 13 50 | 13 00 | 10.50@11.00 | 12.00@12.50 | 6.85 @6.95 | 6.25 |
| 18 | 13 50 | 13 00 | 10.50@11.00 | 12.00@12.50 | 7.00 | 6.17½ |
| 25 | 13 00 | 13 00 | 10.50@11.00 | 12.00@12 50 | 6.85 @6.95 | 6.27½ |
| May 2 | 12 50 | 12 00 | 10.50@11.00 | 11.00@11 75 | 6.75 @6.80 | 6.20 |
| 9 | 12 50 | 11 75 | 11.00@11.50 | 11.00@11 75 | 6.85 @6.90 | 6.10 |
| 16 | 13 00 | 11 50 | 11.50@12.00 | 11.00@11.75 | 6.85 @6.90 | 6.07½ |
| 23 | 13 00 | 11 25 | 11.50@12.00 | 11.00@11.75 | 6.90 @6.95 | 5.95 |
| 30 | 13 00 | 11 85 | 11.50@12.00 | 11.00@11.75 | 6 80 @6.90 | 6.10 |
| June 6 | 13 00 | 12 40 | 12.00@12 50 | 11.00@11.75 | 6.85 @6.95 | 6.10 |
| 13 | 13 00 | 12 60 | 12.00@12.50 | 11.25@12.00 | 6.80 @6.90 | 6.20 |
| 20 | 13 00 | 13 00 | 12.00@12.50 | 11.25@12.00 | 6 80 @6.90 | 6.40 |
| 27 | 13 00 | 13 00 | 12.00@12.50 | 11.25@12.00 | 6.85 | 6.40 |
| July 4 | 13 00 | 13 25 | 12.00@12.50 | 12.00@12.50 | 6.85 | 6.62½ |
| 11 | 13 00 | 13 25 | 12 00@12.50 | 12.00@12.50 | 6.70 @6.75 | 6.45 |
| 18 | 13 00 | 13 25 | 12.00@12.50 | 12.00@12.50 | 6.75 @6.85 | 6.37½ |
| 25 | 13 00 | 13 25 | 12 00@12.50 | 12.00@12.50 | 6.80 @6.85 | 6.30 |
| August 1 | 13 50 | 13 25 | 12.00@12.50 | 12.00@12.50 | 6.95 @7.00 | 6.50 |
| 8 | 14 00 | 13 00 | 12.50@13.00 | 12.00@12.50 | 7.15 @7.20 | 6.50 |
| 15 | 14 50 | 12 50 | 12.50@13.00 | 12.00@12 50 | 7.45 @7.50 | 6.47½ |
| 22 | 14 50 | 12 50 | 12.50@13.00 | 12.00@12.50 | 7.60 @7.65 | 6.55 |
| 29 | 14 75 | 12 00 | 12.50@13.00 | 12.00@12.50 | 7.65 @7.75 | 6.62½ |
| September 5 | 15 50 | 12 00 | 12.50@13.00 | 12.00@12.50 | 7.60 @7.65 | 6.65 |
| 12 | 15 50 | 12 00 | 12.50@13.00 | 12.00@12.50 | 7.25 @7.30 | 6 77½ |
| 19 | 15 50 | 12 00 | 12.50@13.00 | 12.00@12.50 | 7.20 @7.30 | 6.87½ |
| 26 | 15 50 | 12 50 | 12.50@13.00 | 12 00@12.50 | 7.10 @7.15 | 7.15 |
| October 3 | 15 00 | 12 50 | 12.00 | 12.50 | 7.00 @7.10 | 7.55 |
| 10 | 15 00 | 12 50 | 12.00 | 12.50 | 7.00 | 7.50 |
| 17 | 15 00 | 11 50 | 12.00 | 12.50 | 7.00 @7 05 | 7.10 |
| 24 | 15 00 | 11 50 | 11.50 | 12.50 | 6.95 @7.00 | 7.12½ |
| 31 | 14 00 | 11 50 | 11.50 | 12.50 | 6.90 @6 95 | 7.05 |
| November 7 | 14 00 | 11 50 | 11.50 | 12.00 | 6.90 @6.95 | 6.95 |
| 14 | 14 00 | 11 50 | 11.50 | 12.00 | 6.85 @6.90 | 6.87½ |
| 21 | 13 00 | 11 50 | 11.50 | 12.00 | 6.90 @6.95 | 6.77½ |
| 28 | 13 50 | 11 50 | 11.50 | 12.00 | 7.10 | 6.82½ |
| December 5 | 13 75 | 13 00 | 11.50 | 11.50 | 7.15 @7.20 | 6.77½ |
| 12 | 13 50 | 13 00 | 11.50 | 11.00 | 7.35 @7.45 | 6.62½ |
| 19 | 13 50 | 12 75 | 11.00 | 11.00 | 7.35 @7.40 | 6.65 |
| 26 | 13 75 | 12 75 | 11.00 | 11.00 | 7.30 @7.35 | 6.65 |

Exports of Fresh, Salted and Canned Beef from the United States, for calendar years, in pounds:

| KINDS. | 1905 | 1904 | 1903 | 1902 | 1901 |
|---|---|---|---|---|---|
| Fresh Beef | 254,360,000 | 262,329,000 | 293,402,000 | 242,015,000 | 354,421,000 |
| Salted Beef | 73,984,000 | 54,618,000 | 58,164,000 | 47,199,000 | 52,528,000 |
| Canned Beef | 75,208,000 | 51,158,000 | 66,738,000 | 81,363,000 | 53,239,000 |
| Total Beef | 403,552,000 | 368,105,000 | 418,304,000 | 370,577,000 | 460,188,000 |

# PRICES OF DRY SALTED AND SMOKED MEATS.

Quotations for Dry Salted Meats and Bacon, per pound, at Cincinnati, on Tuesday of each week, during two calendar years:

| DATES. | D. S. MEATS. | | | | BACON. | | | |
|---|---|---|---|---|---|---|---|---|
| | Shoulders. | | Short Rib Sides. | | Shoulders. | | Short Rib Sides. | |
| | 1905 | 1904 | 1905 | 1904 | 1905 | 1904 | 1905 | 1904 |
| January 3. | 6.00 | 6.37½ | 6.62½ | 6.50 | 6.50 | 6.87½ | 7.37½ | 7.25 |
| 10. | 6.00 | 6.37½ | 6.50 | 6.50 | 6.50 | 6.87½ | 7.25 | 7.25 |
| 17. | 6.00 | 6.37½ | 6.50 | 6.50 | 6.50 | 6.87½ | 7.25 | 7.25 |
| 24. | 6.00 | 6.37½ | 6.50 | 6.50 | 6.50 | 6.87½ | 7.25 | 7.25 |
| 31. | 6.00 | 6.37½ | 6.50 | 6.50 | 6.50 | 6.87½ | 7.25 | 7.25 |
| February 7. | 6.00 | 6.37½ | 6.50 | 6 87½ | 6.50 | 6.87½ | 7.25 | 7.62½ |
| 14. | 6.00 | 6.37½ | 6.50 | 6.87½ | 6.50 | 6.87½ | 7.25 | 7.62½ |
| 12. | 6.00 | 6.37½ | 6.50 | 7.50 | 6.50 | 6.87½ | 7.25 | 8.12½ |
| 28. | 6.00 | 6.37½ | 6.62½ | 7.62½ | 6.50 | 6.87½ | 7.37½ | 8.37½ |
| March 7. | 6.00 | 6.25 | 6 62½ | 7.25 | 6.50 | 6.75 | 7.37½ | 8.00 |
| 14. | 6.00 | 6.25 | 6.75 | 7.25 | 6.50 | 6.75 | 7.50 | 8.00 |
| 21. | 6.00 | 6.00 | 6.75 | 7.00 | 6.50 | 6.50 | 7.50 | 7.75 |
| 28. | 6.00 | 6.00 | 6.75 | 7.00 | 6.50 | 6.50 | 7.50 | 7.75 |
| April 4. | 5.75 | 6.00 | 6.75 | 7.00 | 6.50 | 6.50 | 7.50 | 7.75 |
| 11. | 6.00 | 5 87½ | 6 87½ | 6.50 | 6.50 | 6.37½ | 7.62½ | 7.20 |
| 18. | 6.00 | 5.87½ | 6.87½ | 6.50 | 6.50 | 6.37½ | 7.62½ | 7.25 |
| 25. | 6.00 | 5.87½ | 6.87½ | 6.50 | 6.50 | 6.37½ | 7.62½ | 7.25 |
| May 2. | 6.00 | 5.50 | 6 87½ | 6.37½ | 6.50 | 6.25 | 7.62½ | 7.20 |
| 9. | 6.00 | 5.25 | 6 87½ | 6.25 | 6.50 | 6.00 | 7.62½ | 7.00 |
| 16. | 6.00 | 5.25 | 6 87½ | 6.25 | 6.50 | 6.00 | 7.62½ | 7.00 |
| 23. | 6.00 | 5.62½ | 6.87½ | 6.25 | 6.50 | 6.12½ | 7.62½ | 6 87½ |
| 30. | 6.00 | 5.75 | 6.87½ | 6 62½ | 6.50 | 6.25 | 7.62½ | 7.37½ |
| June 6. | 6.00 | 5.75 | 6.87½@7.00 | 6.75 | 6.50 | 6.25 | 7.75 | 7.50 |
| 13. | 6.00 | 6.00 | 6.87½@7.00 | 7.00 | 6.50 | 6.50 | 7.75 | 7.75 |
| 20. | 6.00 | 6.00 | 6.87½@7.00 | 7.37½ | 6.50 | 6.50 | 7.75 | 8.12½ |
| 27. | 6.00 | 6.25 | 7.37½ | 7.37½ | 6.50 | 6.75 | 8.12½ | 8.12½ |
| July 4. | 6.00 | 6.75 | 7.37½ | 7.50 | 6.50 | 7.25 | 8.12½ | 8.25 |
| 11. | 6.00 | 6.75 | 7.37½ | 7.50 | 6.50 | 7.25 | 8.12½ | 8.25 |
| 18. | 6.00 | 7.15 | 7.37½ | 7.50 | 6 50 | 7.65 | 8.12½ | 8.25 |
| 25. | 6.00 | 7.15 | 7.37½ | 7.50 | 6.50 | 7.65 | 8.12½ | 8.25 |
| August 1. | 6.00 | 7.15 | 7.75 | 7.75 | 6 50 | 7.65 | 8.50 | 8.50 |
| 8. | 6.00 | 7.25 | 8.00 | 7.75 | 6.50 | 7.75 | 8.75 | 8.50 |
| 15. | 6.75 | 7.25 | 8.37½ | 7.75 | 7.25 | 7.75 | 9.12½ | 8.50 |
| 22. | 6.75 | 7.25 | 8.37½ | 7.62½ | 7.25 | 7.75 | 9.12½ | 8.37½ |
| 29. | 6.75 | 7.25 | 8.62½ | 7.62½ | 7.25 | 7.75 | 9.37½ | 8.37½ |
| September 5. | 6.75 | 7.25 | 8.62½ | 7.62½ | 7.25 | 7.75 | 9.37½ | 8.37½ |
| 12. | 6.75 | 7.25 | 8.62½ | 7.62½ | 7.25 | 7.75 | 9.37½ | 8.37½ |
| 19. | 6.75 | 7.25 | 8.37½ | 7.75 | 7.25 | 7.75 | 9.12½ | 8.50 |
| 26. | 6.75 | 7.25 | 8 37½ | 7.90 | 7.25 | 7.75 | 9.12½ | 8.65 |
| October 3. | 6.50 | 7.50 | 8.37½ | 8.12½ | 7.00 | 8.00 | 9.12½ | 8.87½ |
| 10. | 6.50 | 7.50 | 8.00 | 8.00 | 7.00 | 8.00 | 8.87½ | 8.75 |
| 17. | 6.50 | 7.25 | 8.00 | 7.75 | 7.00 | 7.75 | 8.75 | 8.50 |
| 24. | 6.50 | 7.12½ | 8.00 | 7.50 | 7.00 | 7.62½ | 8.75 | 8.25 |
| 31. | 6.00 | 7.00 | 7.75 | 7.50 | 6.50 | 7.50 | 8.50 | 8.25 |
| November 7. | 6.00 | 7.00 | 7.37½ | 7.25 | 6.50 | 7.50 | 8.25 | 8.00 |
| 14. | 6.00 | 7.00 | 7.37½ | 7.25 | 6.50 | 7.50 | 8.25 | 8.00 |
| 21. | 6.00 | 6.50 | 7.37½ | 7.00 | 6.50 | 7.00 | 8.12½ | 7.75 |
| 28. | 6.00 | 6.50 | 7.12½ | 7.00 | 6.50 | 7.00 | 7.87½ | 7.75 |
| Deeember 5. | 6.00 | 6.50 | 7.25 | 7.00 | 6.50 | 7.00 | 7.87½ | 7.75 |
| 12. | 6.00 | 6.25 | 7.25 | 6.75 | 6.50 | 6.75 | 7.87½ | 7.50 |
| 19. | 6.00 | 6.25 | 7.25 | 6.75 | 6.50 | 6.75 | 7.87½ | 7.50 |
| 26. | 6.00 | 6.25 | 7.25 | 6.75 | 6.50 | 6.75 | 7.87½ | 7.50 |

Exports of Bacon, Hams, Pork and Lard from the United States, for years ending October 31, in pounds:

| KINDS. | 1904–05 | 1903–04 | 1902–03 | 1901–02 | 1900–01 |
|---|---|---|---|---|---|
| Bacon | 275,000,000 | 249,000,000 | 215,000,000 | 298,000,000 | 462,000,000 |
| Hams | 212,000,000 | 187,000,000 | 211,000,000 | 222,000,000 | 224,000,000 |
| Pork | 142,000,000 | 123,000,000 | 124,000,000 | 145,000,000 | 165,000,000 |
| Lard | 650,000,000 | 583,000,000 | 520,000,000 | 506,000,000 | 594,000,000 |

## MONTHLY MOVEMENT OF HOG PRODUCT.

Monthly receipts and shipments of Hog Product, at Cincinnati, for 1905:

| MONTHS. | Bacon, lbs. | D. S. Meats, loose, lbs. | D. S. Meats, boxed, lbs. | Hams, lbs. | Lard, lbs. | Pork, bbls. |
|---|---|---|---|---|---|---|
| | RECEIPTS, 1905. | | | | | |
| January | 43,250 | 8,022,892 | 147,500 | 618,350 | 3,404,080 | 341 |
| February | 20,310 | 5,945,300 | 232,000 | 470,666 | 3,638,610 | 339 |
| March | 114,491 | 5,875,489 | 270,500 | 410,604 | 3,986,832 | 427 |
| April | 60,117 | 5,894,577 | 204,000 | 655,729 | 2,986,266 | 590 |
| May | 39,227 | 6,685,395 | 218,000 | 587,436 | 3,021,152 | 586 |
| June | 164,545 | 7,940,705 | 753,500 | 815,801 | 3,857,200 | 395 |
| July | 214,883 | 6,568,767 | 1,379,500 | 932,352 | 2,379,973 | 271 |
| August | 197,583 | 7,327,684 | 837,000 | 566,316 | 2,785,744 | 301 |
| September | 260,543 | 8,203,490 | 793,000 | 607,329 | 2,774,996 | 407 |
| October | 136,919 | 10,407,629 | 322,000 | 444,429 | 6,050,787 | 96 |
| November | 155,463 | 5,897,526 | 226,000 | 644,943 | 3,872,400 | 364 |
| December | 110,628 | 10,090,610 | 392,500 | 382,320 | 6,250,201 | 53 |
| | SHIPMENTS, 1905. | | | | | |
| January | 281,210 | 8,876,084 | 360,000 | 1,034,797 | 4,744,980 | 479 |
| February | 253,624 | 6,661,929 | 420,000 | 783,929 | 5,066,321 | 335 |
| March | 349,410 | 6,087,728 | 504,500 | 618,784 | 5,408,333 | 123 |
| April | 290,975 | 6,212,297 | 604,000 | 664,301 | 4,325,867 | 297 |
| May | 316,435 | 7,271,495 | 511,000 | 801,463 | 4,556,871 | 586 |
| June | 585,672 | 7,930,308 | 867,000 | 954,812 | 5,027,391 | 253 |
| July | 573,264 | 7,039,198 | 1,984,000 | 915,906 | 4,017,741 | 413 |
| August | 523,992 | 8,198,508 | 996,500 | 893,210 | 3,842,388 | 261 |
| September | 869,786 | 8,561,437 | 1,313,500 | 884,390 | 4,039,659 | 344 |
| October | 609,095 | 10,624,626 | 292,500 | 1,234,086 | 7,052,486 | 50 |
| November | 386,428 | 5,882,654 | 460,500 | 894,743 | 5,173,135 | 319 |
| December | 279,041 | 10,496,530 | 757,000 | 484,135 | 7,781,345 | 117 |

## WEEKLY RECEIPTS AND SHIPMENTS OF HOGS.

Total weekly receipts and shipments of Hogs, at Cincinnati, in the year 1905:

| WEEK ENDING. | Receipts. | Shipments. | WEEK ENDING. | Receipts. | Shipments. |
|---|---|---|---|---|---|
| January 7 | 23,988 | 8,520 | July 8 | 18,762 | 8,411 |
| 14 | 24,653 | 7,073 | 15 | 18,652 | 7,754 |
| 21 | 22,967 | 8,035 | 22 | 16,284 | 7,281 |
| 28 | 22,008 | 8,394 | 29 | 16,263 | 7,918 |
| February 4 | 21,501 | 6,297 | August 5 | 16,335 | 7,145 |
| 11 | 16,275 | 6,446 | 12 | 17,757 | 7,144 |
| 18 | 21,667 | 6,955 | 19 | 16,338 | 10,030 |
| 25 | 19,879 | 8,756 | 26 | 13,631 | 5,682 |
| March 4 | 19,433 | 6,434 | September 2 | 13,624 | 5,474 |
| 11 | 13,761 | 5,781 | 9 | 17,403 | 7,637 |
| 18 | 19,342 | 6,501 | 16 | 22,951 | 8,453 |
| 25 | 16,222 | 7,050 | 23 | 19,312 | 9,033 |
| April 1 | 17,067 | 5,052 | 30 | 20,528 | 7,871 |
| 8 | 17,335 | 6,811 | October 7 | 22,810 | 9,659 |
| 15 | 17,363 | 5,880 | 14 | 26,961 | 11,553 |
| 22 | 18,079 | 5,808 | 21 | 23,039 | 10,687 |
| 29 | 16,040 | 6,577 | 28 | 30,524 | 14,000 |
| May 6 | 16,020 | 4,926 | November 4 | 23,520 | 10,747 |
| 13 | 17,223 | 7,368 | 11 | 24,881 | 9,374 |
| 20 | 22,316 | 5,220 | 18 | 28,515 | 12,361 |
| 27 | 16,584 | 6,010 | 25 | 29,174 | 10,605 |
| June 3 | 22,298 | 6,802 | December 2 | 27,531 | 8,903 |
| 10 | 18,840 | 6,264 | 9 | 30,261 | 10,402 |
| 17 | 18,832 | 6,327 | 16 | 27,211 | 9,784 |
| 24 | 17,452 | 3,731 | 23 | 26,063 | 7,347 |
| July 1 | 20,098 | 7,366 | 30 | 17,571 | 8,163 |

# AVERAGE ANNUAL PRICES OF HOG PRODUCT.

Average annual prices of leading articles of Hog Product, at Cincinnati, for commercial years ending August 31, to 1891-92, and calendar years subsequently:

| YEARS. | MESS PORK. | D. S. MEATS. | | | BACON. | | | | LARD. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Shoulders. | Short Rib Sides. | Short Clear Sides. | Shoulders. | Short Rib Sides. | Short Clear Sides. | Sugar Cured Hams. | Prime Steam. | Kettle Winter. |
| 1886-87 | $13 74 | 5.60 | 7.17 | 7.41 | 6.39 | 7.85 | 8.10 | 11.48 | 6.56 | 7.25 |
| 1887-88 | 14 55 | 5.91 | 7.75 | 8.06 | 6.66 | 8.38 | 8.74 | 11.23 | 7.64 | 8.23 |
| 1888-89 | 13 13 | 5.83 | 6.82 | 7.06 | 6.65 | 7.47 | 7.85 | 11.56 | 7.41 | 8.03 |
| 1889-90 | 11 29 | 4.46 | 5.19 | 5.36 | 5.01 | 5.89 | 6.10 | 10.81 | 5.94 | 6.37 |
| 1890-91 | 10 72 | 4.76 | 5.72 | 5.91 | 5.60 | 6.31 | 6.54 | 10.18 | 6.11 | 6.55 |
| 1891-92 | 10 51 | 5.11 | 6.47 | 6.65 | 5.90 | 7.22 | 7.42 | 10.61 | 6.47 | 6.80 |
| 1892 | 11 68 | 5.83 | 6.92 | 7.33 | 6.55 | 7.63 | 8.03 | 11.04 | 7.21 | 7.55 |
| 1893 | 18 46 | 8.77 | 9.36 | 10.22 | 9.61 | 10.34 | 11.15 | 13.22 | 9.91 | 10.82 |
| 1894 | 12 98 | 6.08 | 6.79 | 7.06 | 6.65 | 7.48 | 7.88 | 10.60 | 7.25 | 7.92 |
| 1895 | 10 65 | 4.93 | 5.62 | 5.94 | 5.40 | 6.19 | 6.52 | 9.96 | 6.24 | 6.67 |
| 1896 | 8 04 | 4.09 | 4.19 | 4.42 | 4.55 | 4.61 | 4.84 | 10.29 | 4.29 | 4.74 |
| 1897 | 8 34 | 4.68 | 4.76 | 4.87 | 5.17 | 5.24 | 5.42 | 9.91 | 4.02 | 4.50 |
| 1898 | 9 73 | 4.50 | 5.37 | 5.55 | 4.93 | 5.97 | 6.06 | 8.73 | 5.06 | 5.51 |
| 1899 | 9 13 | 4.42 | 5.01 | 5.15 | 5.00 | 5.49 | 5.92 | 9.75 | 5.04 | 5.51 |
| 1900 | 11 86 | 6.30 | 6.89 | 7.02 | 6.93 | 7.39 | 7.61 | 11.04 | 6.51 | 7.17 |
| 1901 | 14 99 | 6.88 | 8.07 | 8.27 | 7.30 | 8.71 | 8.92 | 11.07 | 8.38 | 8.88 |
| 1902 | 17 25 | 7.75 | 9.80 | 10 00 | 8.60 | 10.60 | 10.80 | 12.05 | 9.90 | 10.40 |
| 1903 | 15 15 | 7.35 | 8.60 | 8.80 | 7.95 | 9.40 | 9.60 | 13.40 | 8.10 | 8.60 |
| 1904 | 12 80 | 6.50 | 7.10 | 7.30 | 7.00 | 7.85 | 8.10 | 12.05 | 6.65 | 7.15 |
| 1905 | 13 60 | 6.15 | 7.25 | 7.50 | 6.65 | 8.05 | 8.30 | 11.60 | 6.95 | 7.45 |

Average annual prices for provision trade, years ending October 31:

| YEARS. | MESS PORK. | D. S. MEATS. | | | BACON. | | | | LARD. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Shoulders. | Short Rib Sides. | Short Clear Sides. | Shoulders. | Short Rib Sides. | Short Clear Sides. | Sugar Cured Hams. | Prime Steam. | Kettle Winter; |
| 1893-94 | $13 29 | 6.22 | 7.03 | 7.33 | 6.86 | 7.71 | 8.18 | 10.73 | 7.51 | 8.21 |
| 1894-95 | 12 26 | 5.07 | 5.90 | 6.17 | 5.56 | 6.47 | 6.77 | 9.94 | 6.41 | 6.89 |
| 1895-96 | 8 20 | 4.22 | 4.28 | 4.52 | 4.68 | 4.79 | 5.00 | 9.73 | 4.47 | 4.98 |
| 1896-97 | 8 26 | 4.51 | 4.66 | 4.78 | 4.95 | 5.08 | 5.27 | 10.07 | 3.99 | 4.34 |
| 1897-98 | 9 63 | 4.63 | 5.30 | 5.40 | 5.30 | 5.79 | 5.96 | 8.81 | 4.84 | 5.38 |
| 1898-99 | 9 08 | 4.26 | 5.14 | 5.22 | 4.87 | 5.50 | 5.60 | 9.68 | 5.05 | 5.45 |
| 1899-00 | 11 44 | 6.23 | 6.59 | 6.82 | 6.60 | 7.08 | 7.36 | 11.03 | 6.28 | 6.81 |
| 1900-01 | 14 29 | 6 70 | 7.88 | 8.06 | 7.22 | 8.46 | 8.91 | 11.05 | 8.00 | 8.53 |
| 1901-02 | 16 85 | 7.75 | 10.15 | 10.35 | 8.25 | 10.65 | 11.15 | 12.40 | 9.65 | 10.15 |
| 1902-03 | 16 5 | 7.80 | 9.05 | 9.25 | 8.40 | 9.45 | 9.95 | 13.30 | 8.65 | 9.15 |
| 1903-04 | 12 65 | 6.35 | 7.10 | 7.30 | 6.85 | 7.85 | 8.10 | 12.35 | 6.60 | 7.10 |
| 1904-05 | 13 35 | 6.30 | 7.25 | 7.50 | 6.80 | 8.05 | 8.30 | 11.40 | 6.75 | 7.25 |

Average prices of Live Hogs, at Cincinnati, for winter seasons:

| | | | |
|---|---|---|---|
| 1862-63 $3 56 | 1873-74 $4 58 | 1884-85 $4 44 | 1895-96 $3 80 |
| 1863-64 5 60 | 1874-75 6 99 | 1885-86 3 81 | 1896-97 3 35 |
| 1864-65 11 70 | 1875-76 7 27 | 1886-87 4 28 | 1897-98 3 60 |
| 1865-66 9 57 | 1876-77 5 90 | 1887-88 5 18 | 1898-99 3 55 |
| 1866-67 6 02 | 1877-78 4 20 | 1888-89 5 15 | 1899-00 4 40 |
| 1867-68 6 60 | 1878-79 2 84 | 1889-90 3 75 | 1900-01 5 05 |
| 1868-69 8 41 | 1879-80 4 36 | 1890-91 3 65 | 1901-02 6 00 |
| 1869-70 9 46 | 1880-81 4 61 | 1891-92 3 90 | 1902-03 6 50 |
| 1870-71 5 50 | 1881-82 6 24 | 1892-93 6 60 | 1903-04 4 90 |
| 1871-72 4 36 | 1882-83 6 44 | 1893-94 5 35 | 1904-05 4 80 |
| 1872-73 3 92 | 1883-84 5 24 | 1894-95 4 35 | 1905-06 5 40 |

## HIGHEST DAILY PRICES OF HOGS.

Highest daily prices of Live Hogs, per 100 pounds, at Cincinnati, in 1905:

| DATES. | January | February | March | April | May | June | July | August | September | October | November | December |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | $.... | $5 00 | $5 25 | $5 55 | $5 45 | $5 40 | $5 60 | $6 15 | $6 30 | $.... | $5 15 | $5 00 |
| 2 | .... | 5 10 | 5 15 | .... | 5 40 | 5 37½ | .... | 6 20 | 6 30 | 5 60 | 4 85 | 5 00 |
| 3 | 4 75 | 5 00 | 5 15 | 5 50 | 5 45 | 5 40 | .... | 6 15 | .... | 5 65 | 5 15 | .... |
| 4 | 4 82½ | 5 00 | 5 20 | 5 50 | 5 50 | .... | .... | 6 07½ | .... | 5 60 | 5 15 | 4 95 |
| 5 | 4 80 | .... | .... | 5 65 | 5 60 | 5 37½ | .... | 6 15 | 6 05 | 5 70 | .... | 5 10 |
| 6 | 4 75 | 5 10 | 5 25 | 5 75 | 5 60 | 5 40 | 5 65 | .... | 5 95 | 5 70 | 5 20 | 5 10 |
| 7 | 4 80 | 5 10 | 5 30 | 5 75 | .... | 5 47½ | 5 70 | 6 27½ | 5 85 | 5 75 | .... | 5 15 |
| 8 | .... | 5 05 | 5 30 | 5 82½ | 5 50 | 5 50 | 5 75 | 6 27½ | 5 85 | .... | 5 20 | 5 10 |
| 9 | 4 85 | 5 00 | 5 25 | .... | 5 50 | 5 45 | .... | 6 27½ | 5 85 | 5 75 | 5 10 | 5 00 |
| 10 | 4 90 | 5 15 | 5 30 | 5 75 | 5 50 | 5 40 | 5 85 | 6 25 | .... | 5 70 | 5 00 | .... |
| 11 | 4 85 | 5 27½ | 5 35 | 5 75 | 5 55 | .... | 5 75 | 6 25 | 5 85 | 5 60 | 5 07½ | 4 95 |
| 12 | 4 80 | .... | .... | 5 75 | 5 65 | 5 40 | 5 75 | 6 30 | 5 80 | 5 60 | .... | 5 00 |
| 13 | 4 85 | 5 27½ | 5 35 | 5 80 | 5 60 | 5 45 | 5 75 | .... | 5 70 | 5 55 | 5 07½ | 5 10 |
| 14 | 4 82½ | 5 40 | 5 30 | 5 72½ | .... | 5 40 | 5 85 | 6 30 | 5 55 | 5 50 | 5 15 | 5 10 |
| 15 | .... | 5 30 | 5 30 | 5 70 | 5 50 | 5 35 | 5 90 | 6 35 | 5 60 | .... | 5 00 | 5 12½ |
| 16 | 4 75 | 5 30 | 5 30 | .... | 5 55 | 5 40 | .... | 6 25 | 5 55 | 5 50 | 4 95 | 5 12½ |
| 17 | 4 75 | 5 20 | 5 30 | 5 60 | 5 60 | 5 45 | 6 05 | 6 20 | .... | 5 45 | 5 00 | .... |
| 18 | 4 80 | 5 15 | 5 35 | 5 65 | 5 55 | .... | 6 10 | 6 30 | 5 65 | 5 45 | 5 00 | 5 20 |
| 19 | 4 90 | .... | .... | 5 65 | 5 42½ | 5 50 | 6 20 | 6 35 | 5 65 | 5 50 | .... | 5 20 |
| 20 | 4 85 | 5 10 | 5 40 | 5 65 | 5 45 | 5 50 | 6 15 | .... | 5 75 | 5 50 | 5 00 | 5 30 |
| 21 | 4 80 | 5 10 | 5 50 | .... | .... | 5 40 | 6 07½ | 6 40 | 5 75 | 5 50 | 4 95 | 5 15 |
| 22 | .... | .... | 5 50 | 5 55 | 5 55 | 5 35 | 5 95 | 6 35 | 5 70 | .... | 4 95 | 5 17½ |
| 23 | 4 85 | 5 20 | 5 50 | .... | 5 65 | 5 35 | .... | 6 35 | 5 70 | 5 42½ | 4 95 | 5 20 |
| 24 | 4 85 | 5 20 | 5 60 | 5 60 | 5 60 | 5 40 | 5 95 | 6 40 | .... | 5 40 | 4 95 | .... |
| 25 | 4 95 | 5 25 | 5 70 | 5 65 | 5 60 | .... | 6 00 | 6 37½ | 5 65 | 5 35 | 4 95 | .... |
| 26 | 4 95 | .... | .... | 5 60 | 5 50 | 5 47½ | 6 10 | 6 40 | 5 60 | 5 20 | .... | 5 35 |
| 27 | 4 85 | 5 25 | 5 65 | 5 50 | 5 55 | 5 55 | 6 20 | .... | 5 60 | 5 10 | 4 92½ | 5 40 |
| 28 | 4 85 | 5 35 | 5 65 | 5 40 | .... | 5 60 | 6 20 | 6 35 | 5 65 | 5 10 | 4 90 | 5 30 |
| 29 | .... | .... | 5 65 | 5 35 | 5 50 | 5 57½ | 6 05 | 6 25 | 5 75 | .... | 5 00 | 5 37½ |
| 30 | 4 85 | .... | 5 60 | .... | .... | 5 60 | .... | 6 25 | 5 65 | 5 25 | .... | 5 50 |
| 31 | 4 95 | .... | 5 55 | .... | 5 50 | .... | 6 05 | 6 35 | .... | 5 25 | .... | .... |

## PRICES OF CATTLE AND SHEEP BY GRADES.

Prices by grades of Cattle and Sheep, at Cincinnati, at the close of December:

| GRADES. | 1905 | 1904 | 1903 | 1902 | 1901 | 1900 |
|---|---|---|---|---|---|---|
| CATTLE. | | | | | | |
| Fair to good shippers, per 100 lbs | $4 25@5 00 | $4 25@5 00 | $4 00@4 65 | $4 25@5 00 | $4 85@5 65 | $4 50@5 00 |
| Good to choice butchers, " " | 4 05@4 75 | 3 85@4 75 | 4 00@4 40 | 4 50@5 00 | 4 65@5 25 | 4 40@4 90 |
| Fair to medium butchers, " " | 3 00@4 00 | 2 75@3 75 | 2 65@3 75 | 3 50@4 40 | 3 75@4 60 | 3 60@4 35 |
| Common, " " | 2 00@2 75 | 2 00@2 50 | 2 00@2 25 | 2 00@3 00 | 2 50@3 25 | 2 25@2 90 |
| SHEEP. | | | | | | |
| Extra, per 100 lbs | 4 85@.... | 4 65@4 75 | 3 50 | 3 75 | 3 60 | 3 35@3 50 |
| Good to choice, " " | 4 35@4 75 | 4 10@4 60 | 3 10@3 40 | 3 25@3 65 | 3 00@3 50 | 2 50@3 25 |
| Common to fair, " " | 3 00@4 25 | 2 50@4 00 | 2 00@3 00 | 2 00@3 15 | 1 50@2 75 | 1 00@1 25 |

## CALENDAR YEAR HOG PACKING.

Number of Hogs packed in the West during calendar years stated:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1905 | 25,485,000 | 1900 | 23,265,000 | 1895 | 15,285,000 | 1890 | 16,980,000 |
| 1904 | 23,795,000 | 1899 | 22,215,000 | 1894 | 15,265,000 | 1889 | 12,690,000 |
| 1903 | 21,470,000 | 1898 | 23,510,000 | 1893 | 11,080,000 | 1888 | 10,610,000 |
| 1902 | 21,230,000 | 1897 | 19,640,000 | 1892 | 13,750,000 | 1887 | 11,425,000 |
| 1901 | 25,410,000 | 1896 | 16,230,000 | 1891 | 15,180,000 | 1886 | 11,950,000 |

## PRICES OF CATTLE AND SHEEP.

Quotations for Cattle, fair to medium quality, and Sheep, good to extra quality, per 100 pounds, alive, at Cincinnati, on Tuesday of each week, in three years:

| CATTLE. | | | |
|---|---|---|---|
| DATES. | 1905 | 1904 | 1903 |
| January 3.. | $2 65@3 65 | $3 00@4 00 | $3 40@4 35 |
| 10.. | 2 75@3 75 | 3 00@3 75 | 3 40@4 35 |
| 17.. | 2 65@3 75 | 3 00@3 60 | 3 25@4 15 |
| 24.. | 2 60@3 65 | 3 00@3 75 | 3 15@4 15 |
| 31.. | 2 75@3 85 | 3 00@3 75 | 3 35@4 25 |
| February 7.. | 2 75@3 85 | 3 00@3 65 | 3 40@4 25 |
| 14.. | 2 85@4 00 | 3 10@3 75 | 3 10@3 90 |
| 21.. | 2 85@4 00 | 3 00@3 75 | 3 25@4 10 |
| 28.. | 2 85@4 00 | 3 00@3 50 | 3 60@4 40 |
| March 7.. | 2 50@3 75 | 3 00@3 65 | 3 60@4 25 |
| 14.. | 3 00@4 10 | 3 10@3 85 | 3 35@4 10 |
| 21.. | 3 25@4 40 | 3 35@4 00 | 3 75@4 25 |
| 28.. | 3 10@4 30 | 3 25@4 00 | 3 85@4 30 |
| April 4.. | 3 35@4 50 | 3 25@3 85 | 3 75@4 25 |
| 11.. | 3 50@4 65 | 3 25@4 00 | 3 75@4 35 |
| 18.. | 3 75@5 00 | 3 15@3 90 | 3 75@4 35 |
| 25.. | 3 50@4 75 | 3 15@4 00 | 3 75@4 40 |
| May 2.. | 3 35@4 65 | 3 25@4 00 | 3 65@4 40 |
| 9.. | 3 25@4 50 | 3 25@4 00 | 3 25@4 15 |
| 16.. | 3 25@4 50 | 3 10@4 00 | 3 25@4 10 |
| 23.. | 3 15@4 40 | 3 10@4 00 | 3 25@4 00 |
| 30.. | 3 25@4 35 | 3 35@4 25 | 3 40@4 25 |
| June 6.. | 3 25@4 25 | 3 25@4 25 | 3 25@4 25 |
| 13.. | 3 25@4 35 | 3 25@4 25 | 3 40@4 40 |
| 20.. | 3 00@4 15 | 3 00@4 00 | 3 25@4 25 |
| 27.. | 3 00@4 25 | 3 00@4 25 | 3 00@4 00 |
| July 4.. | 3 25@4 40 | 3 00@4 25 | 3 00@3 90 |
| 11.. | 3 25@4 35 | 3 00@4 00 | 3 00@4 00 |
| 18.. | 3 00@4 00 | 3 00@4 25 | 3 00@4 10 |
| 25.. | 3 00@4 00 | 3 00@4 25 | 2 85@4 00 |
| August 1.. | 3 00@4 00 | 2 75@4 00 | 2 75@4 00 |
| 8.. | 3 00@3 90 | 2 65@3 75 | 2 75@4 00 |
| 15.. | 2 85@3 75 | 3 00@4 00 | 2 60@3 90 |
| 22.. | 3 00@4 00 | 2 75@3 75 | 2 50@3 65 |
| 29.. | 3 00@4 00 | 2 75@3 75 | 2 50@3 75 |
| September 5.. | 2 85@4 00 | 2 75@3 75 | 2 65@3 75 |
| 12.. | 3 00@4 00 | 2 75@3 75 | 2 25@3 50 |
| 19.. | 2 75@3 75 | 2 65@3 75 | 2 50@3 50 |
| 26.. | 2 90@3 85 | 2 50@3 50 | 2 40@3 50 |
| October 3.. | 2 50@3 60 | 2 50@3 75 | 2 50@3 40 |
| 10.. | 2 50@3 65 | 2 50@3 75 | 2 75@3 65 |
| 17.. | 2 50@3 60 | 2 35@3 50 | 2 65@3 50 |
| 24.. | 2 50@3 50 | 2 50@3 50 | 2 50@3 50 |
| 31.. | 2 50@3 40 | 2 50@3 25 | 2 35@3 25 |
| November 7.. | 2 35@3 25 | 2 50@3 40 | 2 60@3 35 |
| 14.. | 2 50@3 35 | 2 50@3 50 | 2 50@3 35 |
| 21.. | 2 65@3 65 | 2 35@3 25 | 2 50@3 40 |
| 28.. | 2 60@3 50 | 2 50@3 50 | 2 50@3 40 |
| December 5.. | 2 85@3 85 | 2 35@3 50 | 2 35@3 25 |
| 12.. | 2 65@3 75 | 2 25@3 25 | 2 65@3 60 |
| 19.. | 2 65@3 85 | 2 35@3 50 | 2 60@3 60 |
| 26.. | 2 75@3 90 | 2 40@3 60 | 2 60@3 75 |

| SHEEP. | | | |
|---|---|---|---|
| DATES. | 1905 | 1904 | 1903 |
| January 3.. | $4 10@4 75 | $3 25@3 85 | $3 25@4 00 |
| 10.. | 4 25@5 00 | 3 35@3 85 | 3 50@4 10 |
| 17.. | 4 60@5 25 | 3 25@3 85 | 3 75@4 25 |
| 24.. | 4 60@5 00 | 3 35@4 00 | 3 75@4 50 |
| 31.. | 4 60@5 25 | 3 40@4 00 | 3 75@4 50 |
| February 7.. | 4 60@5 25 | 3 50@4 25 | 4 00@4 75 |
| 14.. | 4 75@5 40 | 3 65@4 35 | 4 25@4 85 |
| 21.. | 5 00@5 50 | 4 00@4 60 | 4 35@5 00 |
| 28.. | 5 00@5 50 | 3 85@4 50 | 4 25@5 00 |
| March 7.. | 5 00@5 50 | 3 65@4 25 | 4 25@5 00 |
| 14.. | 5 00@5 50 | 3 85@4 35 | 5 00@5 75 |
| 21.. | 4 85@5 35 | 3 85@4 50 | 5 25@6 00 |
| 28.. | 4 75@5 25 | 3 85@4 50 | 5 25@6 00 |
| April 4.. | 4 75@5 25 | 4 00@4 50 | 5 50@6 25 |
| 11.. | 4 75@5 25 | 4 10@4 50 | 5 00@5 75 |
| 18.. | 4 75@5 25 | 4 10@4 50 | 4 50@5 25 |
| 25.. | 4 50@5 10 | 4 00@4 50 | 4 10@4 50 |
| May 2.. | 4 50@5 00 | 3 75@4 25 | 4 10@4 50 |
| 9.. | 4 50@5 00 | 4 00@4 35 | 4 25@4 75 |
| 16.. | 4 50@5 00 | 4 00@4 35 | 4 10@4 60 |
| 23.. | 3 85@4 25 | 4 15@4 50 | 3 60@4 00 |
| 30.. | 3 85@4 25 | 4 10@4 55 | 3 60@4 00 |
| June 6.. | 3 60@4 15 | 3 85@4 40 | 3 75@4 25 |
| 13.. | 3 65@4 15 | 3 65@4 35 | 3 85@4 50 |
| 20.. | 3 60@4 10 | 3 50@4 25 | 3 50@4 10 |
| 27.. | 3 75@4 25 | 3 00@3 50 | 3 00@3 75 |
| July 4.. | 4 00@4 35 | 2 75@3 50 | 2 90@3 60 |
| 11.. | 4 10@4 60 | 3 35@4 00 | 3 10@3 75 |
| 18.. | 4 00@4 50 | 3 25@3 90 | 3 50@4 00 |
| 25.. | 3 50@4 25 | 3 10@3 75 | 3 25@4 00 |
| August 1.. | 3 90@4 50 | 3 10@4 00 | 2 75@3 35 |
| 8.. | 3 75@4 35 | 2 90@3 75 | 2 75@3 35 |
| 15.. | 3 75@4 25 | 2 85@3 60 | 2 75@3 35 |
| 22.. | 4 00@4 50 | 2 75@3 50 | 2 75@3 25 |
| 29.. | 4 00@4 50 | 2 85@3 50 | 2 60@3 10 |
| September 5.. | 4 00@4 50 | 2 85@3 40 | 2 85@3 40 |
| 12.. | 3 85@4 35 | 2 75@3 35 | 2 75@3 25 |
| 19.. | 4 10@4 50 | 2 75@3 40 | 2 75@3 25 |
| 26.. | 3 90@4 35 | 2 85@3 50 | 2 75@3 25 |
| October 3.. | 4 15@4 75 | 2 75@3 35 | 2 85@3 25 |
| 10.. | 4 00@4 50 | 2 85@3 50 | 3 15@3 50 |
| 17.. | 4 00@4 60 | 2 75@3 40 | 2 85@3 25 |
| 24.. | 4 50@5 25 | 2 85@3 50 | 2 75@3 25 |
| 31.. | 4 40@5 00 | 2 75@3 50 | 2 65@3 15 |
| November 7.. | 4 10@4 75 | 3 35@4 00 | 2 75@3 25 |
| 14.. | 4 25@5 00 | 3 35@4 00 | 2 75@3 35 |
| 21.. | 4 10@4 75 | 3 35@4 00 | 2 60@3 25 |
| 28.. | 4 10@4 75 | 3 25@4 00 | 2 60@3 25 |
| December 5.. | 4 25@5 00 | 3 50@4 25 | 2 85@3 40 |
| 12.. | 4 35@5 00 | 4 00@4 50 | 3 00@3 50 |
| 19.. | 4 35@5 15 | 3 85@4 35 | 3 25@3 75 |
| 26.. | 4 25@4 75 | 3 85@4 35 | 3 10@3 50 |

## EXPORTS OF LIVE STOCK.

Exports of Live Stock from the United States, for years ending June 30:

| KINDS. | 1905 | 1904 | 1903 | 1902 | 1901 | 1900 | 1899 | 1898 | 1897 | 1896 | 1895 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Cattle | 567,806 | 593,409 | 402,178 | 392,884 | 459,218 | 396,977 | 389,490 | 439,255 | 392,200 | 372,461 | 331,722 |
| Sheep | 268,365 | 301,313 | 176,961 | 358,720 | 297,925 | 125,552 | 143,286 | 199,690 | 244,120 | 491,565 | 405,748 |
| Hogs | 44,496 | 6,345 | 4,031 | 8,368 | 22,318 | 50,975 | 33,031 | 14,411 | 28,751 | 21,049 | 7,130 |

## MOVEMENT OF LIVE STOCK.

Total yearly movement of Hogs, Cattle and Sheep, at Cincinnati, for commercial years ending August 31, to 1891-92, and calendar years subsequently:

| YEARS. | HOGS. | | CATTLE. | | SHEEP. | |
|---|---|---|---|---|---|---|
| | Received. | Shipped. | Received. | Shipped. | Received. | Shipped. |
| 1878-79 | 1,067,453 | 240,217 | 182,954 | 82,416 | 404,574 | 329,578 |
| 1879-80 | 976,741 | 245,773 | 229,451 | 05,485 | 525,554 | 400,697 |
| 1880-81 | 1,017,661 | 272,834 | 229,776 | 103,387 | 444,722 | 310,634 |
| 1881-82 | 731,408 | 184,519 | 241,671 | 196,014 | 804,418 | 629,269 |
| 1882-83 | 836,223 | 242,045 | 218,425 | 84,205 | 701,717 | 522,505 |
| 1883-84 | 879,989 | 328,638 | 197,176 | 71,724 | 592,974 | 445,418 |
| 1884-85 | 823,691 | 257,639 | 170,147 | 58,585 | 540,282 | 373,128 |
| 1885-86 | 779,956 | 215,025 | 199,344 | 71,606 | 565,292 | 382,983 |
| 1886-87 | 835,247 | 279,400 | 186,110 | 60,611 | 566,921 | 426,052 |
| 1887-88 | 792,954 | 261,030 | 206,573 | 70,530 | 608,976 | 412,095 |
| 1888-89 | 935,859 | 372,744 | 196,558 | 68,885 | 564,898 | 409,081 |
| 1889-90 | 1,048,189 | 481,801 | 222,345 | 92,804 | 529,016 | 412,036 |
| 1890-91 | 945,633 | 371,823 | 245,727 | 113,627 | 637,950 | 519,534 |
| 1891-92 | 1,121,186 | 517,980 | 254,539 | 119,887 | 709,305 | 561,560 |
| 1892 | 1,099,185 | 562,168 | 253,027 | 123,972 | 705,923 | 556,267 |
| 1893 | 1,032,875 | 611,303 | 227,003 | 97,567 | 686,137 | 545,793 |
| 1894 | 916,117 | 368,603 | 212,613 | 81,442 | 671,165 | 487,884 |
| 1895 | 952,246 | 383,500 | 208,890 | 72,001 | 632,482 | 413,507 |
| 1896 | 1,111,633 | 486,745 | 207,986 | 77,037 | 494,054 | 341,281 |
| 1897 | 1,018,134 | 293,043 | 209,091 | 71,424 | 450,217 | 341,729 |
| 1898 | 1,088,195 | 382,909 | 193,031 | 62,510 | 412,063 | 320,189 |
| 1899 | 992,603 | 341,255 | 219,395 | 74,828 | 363,487 | 275,045 |
| 1900 | 952,605 | 290,213 | 206,366 | 64,469 | 371,108 | 275,104 |
| 1901 | 893,464 | 303,926 | 228,755 | 78,581 | 409,238 | 277,248 |
| 1902 | 781,780 | 264,144 | 243,705 | 92,182 | 507,094 | 381,791 |
| 1903 | 887,816 | 315,571 | 259,383 | 114,968 | 511,990 | 379,430 |
| 1904 | 986,858 | 333,207 | 260,778 | 96,594 | 504,318 | 378,436 |
| 1905 | 1,063,144 | 403,742 | 307,776 | 127,468 | 509,925 | 362,737 |

NOTE.—Figures for 1894 to 1905, inclusive, are exclusive of through movement.

## MONTHLY MOVEMENT OF HOGS.

Monthly receipts and shipments of Hogs, at Cincinnati, for the four calendar years indicated:

| MONTHS. | RECEIPTS. | | | | SHIPMENTS | | | |
|---|---|---|---|---|---|---|---|---|
| | 1905 | 1904 | 1903 | 1902 | 1905 | 1904 | 1903 | 1902 |
| January | 100,558 | 94,536 | 84,663 | 89,561 | 34,270 | 29,224 | 27,677 | 29,872 |
| February | 78,837 | 84,506 | 54,468 | 59,802 | 28,432 | 26,313 | 19,851 | 22,180 |
| March | 77,246 | 68,136 | 49,768 | 51,594 | 27,479 | 24,766 | 16,234 | 16,218 |
| April | 70,939 | 73,778 | 58,437 | 50,501 | 26,139 | 27,811 | 19,235 | 15,074 |
| May | 82,097 | 69,110 | 71,432 | 57,977 | 27,117 | 25,460 | 22,395 | 22,225 |
| June | 85,337 | 71,046 | 77,831 | 58,523 | 26,382 | 19,310 | 27,496 | 23,196 |
| July | 76,528 | 57,831 | 68,913 | 49,076 | 33,637 | 15,615 | 23,833 | 16,872 |
| August | 69,031 | 65,518 | 67,504 | 47,967 | 31,674 | 20,705 | 25,558 | 16,539 |
| September | 84,510 | 68,474 | 67,852 | 50,277 | 35,037 | 25,540 | 27,050 | 15,362 |
| October | 111,482 | 98,088 | 90,042 | 77,049 | 50,523 | 39,414 | 37,798 | 24,962 |
| November | 114,644 | 122,038 | 87,062 | 88,644 | 42,932 | 44,898 | 32,716 | 27,951 |
| December | 111,935 | 113,797 | 109,844 | 100,809 | 40,120 | 34,151 | 35,728 | 33,693 |
| Totals | 1,063,144 | 986,858 | 887,816 | 781,780 | 403,742 | 333,207 | 315,571 | 264,144 |

# MOVEMENT OF LIVE STOCK.

Monthly and yearly receipts and shipments of Hogs, Cattle and Sheep, and average live weight, at the Cincinnati Union Stockyards:

| MONTHS. | HOGS. | | | | CATTLE. | | | | SHEEP. | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Receipts. | | Shipments. | | Receipts. | | Shipments. | | Receipts. | | Shipments. | |
| | 1905 | 1904 | 1905 | 1904 | 1905 | 1904 | 1905 | 1904 | 1905 | 1904 | 1905 | 1904 |
| January | 91,003 | 86,883 | 34,466 | 29,183 | 15,888 | 14,797 | 3,118 | 2,903 | 6,931 | 6,054 | 1,943 | 1,147 |
| February | 71,119 | 73,716 | 28,743 | 26,295 | 13,997 | 14,940 | 2,559 | 2,488 | 4,590 | 5,045 | 622 | 647 |
| March | 70,781 | 58,506 | 27,450 | 24,641 | 15,533 | 12,648 | 3,071 | 1,962 | 4,676 | 4,828 | 325 | 144 |
| April | 66,026 | 65,570 | 26,139 | 27,746 | 17,610 | 15,837 | 3,843 | 2,895 | 3,804 | 5,335 | 282 | 310 |
| May | 75,486 | 60,031 | 27,107 | 24,771 | 18,268 | 17,525 | 3,073 | 3,844 | 9,706 | 15,599 | 2,675 | 8,251 |
| June | 75,129 | 63,618 | 27,106 | 18,770 | 17,552 | 18,130 | 5,202 | 3,703 | 71,623 | 93,060 | 59,538 | 77,256 |
| July | 71,587 | 51,121 | 33,547 | 15,605 | 16,043 | 14,591 | 3,147 | 2,573 | 99,451 | 112,110 | 88,071 | 99,638 |
| August | 62,023 | 58,444 | 32,714 | 20,467 | 19,510 | 18,221 | 5,195 | 3,821 | 69,375 | 70,046 | 58,641 | 60,871 |
| September | 69,670 | 57,388 | 34,819 | 25,443 | 26,136 | 17,754 | 9,332 | 4,821 | 19,272 | 24,181 | 9,503 | 13,629 |
| October | 96,559 | 86,769 | 50,008 | 38,053 | 27,882 | 21,385 | 10,892 | 6,070 | 15,958 | 14,841 | 6,009 | 5,293 |
| November | 100,406 | 109,840 | 42,613 | 44,898 | 24,126 | 15,954 | 9,857 | 4,115 | 9,590 | 10,378 | 4,289 | 3,732 |
| December | 98,304 | 98,242 | 39,721 | 36,150 | 19,309 | 16,885 | 6,240 | 5,653 | 7,678 | 8,998 | 3,184 | 4,498 |
| Totals | 948,093 | 870,128 | 404,433 | 332,022 | 231,854 | 198,667 | 65,529 | 44,848 | 322,654 | 370,475 | 235,082 | 275,416 |

| YEARS. | HOGS. | | | CATTLE. | | | SHEEP. | | |
|---|---|---|---|---|---|---|---|---|---|
| | Receipts. | Shipm'ts. | Weight. | Receipts. | Shipm'ts. | Weight. | Receipts. | Shipm'ts. | Weight. |
| 1888-89 | 678,188 | 256,061 | 233.71 | 151,522 | 32,232 | 989.94 | 334,194 | 237,314 | 77.23 |
| 1889-90 | 727,017 | 306,487 | 212.71 | 165,256 | 45,696 | 998.31 | 305,642 | 218,233 | 75.44 |
| 1890-91 | 724,231 | 285,337 | 201.37 | 173,931 | 56,357 | 949.76 | 322,009 | 212,068 | 75.29 |
| 1891-92 | 635,591 | 260,843 | 197.22 | 175,361 | 51,676 | 941.67 | 311,973 | 184,531 | 73.13 |
| 1892 | 871,774 | 422,037 | 185.91 | 214,305 | 75,313 | 948.01 | 667,155 | 479,565 | 76.49 |
| 1893 | 712,816 | 363,299 | 189.67 | 191,620 | 58,769 | 926.81 | 584,322 | 459,763 | 76.58 |
| 1894 | 723,849 | 301,203 | 193.51 | 154,456 | 47,340 | 938.93 | 621,457 | 468,953 | 79.87 |
| 1895 | 820,637 | 335,909 | 203.33 | 179,684 | 44,473 | 920.75 | 597,507 | 410,616 | 77.33 |
| 1896 | 877,176 | 391,377 | 191.56 | 172,310 | 38,878 | 920.15 | 481,254 | 332,718 | 80.34 |
| 1897 | 881,392 | 396,703 | 183.43 | 178,919 | 43,614 | 860.11 | 430,858 | 324,784 | 79.04 |
| 1898 | 887,524 | 387,235 | 185.24 | 163,806 | 33,618 | 868.39 | 389,647 | 300,072 | 81.70 |
| 1899 | 809,327 | 337,524 | 184.31 | 169,751 | 38,773 | 846.59 | 280,097 | 199,110 | 75.78 |
| 1900 | 776,742 | 291,808 | 179.05 | 171,850 | 39,001 | 869.76 | 330,743 | 248,162 | 79.42 |
| 1901 | 742,701 | 308,427 | 179 61 | 181,921 | 42,755 | 882 14 | 353,922 | 251,525 | 73.13 |
| 1902 | 664,734 | 263,360 | 186.43 | 194,859 | 48,308 | 869 78 | 410,148 | 305,379 | 81.90 |
| 1903 | 737,270 | 314,649 | 185.99 | 198,349 | 50,174 | 883.18 | 394,063 | 299,572 | 81.61 |
| 1904 | 870,128 | 332,022 | 181.52 | 198,667 | 44,848 | 883.88 | 370,475 | 275,416 | 77.38 |
| 1905 | 948,093 | 404,433 | 184.97 | 231,854 | 65,529 | 869.68 | 322,654 | 235,082 | 76.08 |

Average weight of Hogs, Cattle and Sheep, weighed at the Union Stockyards:

| MONTHS. | HOGS. | | CATTLE. | | SHEEP. | |
|---|---|---|---|---|---|---|
| | 1905 | 1904 | 1905 | 1904 | 1905 | 1904 |
| January | 191.14 | 189.70 | 889.10 | 926.95 | 88.31 | 85.54 |
| February | 184.05 | 184.19 | 902.11 | 905.22 | 79.37 | 74.46 |
| March | 184.45 | 175.19 | 870.07 | 900.78 | 76.47 | 69.86 |
| April | 171 18 | 170.33 | 826.13 | 869.06 | 69.10 | 70.27 |
| May | 180.15 | 179.35 | 878.41 | 890 10 | 72.70 | 75 92 |
| June | 183.48 | 181.04 | 871.27 | 855.08 | 71.24 | 74.02 |
| July | 184.31 | 185.52 | 854.28 | 878.02 | 70.49 | 71.03 |
| August | 188.99 | 187.05 | 844.12 | 840.01 | 69.57 | 73 04 |
| September | 194.74 | 182.45 | 849.18 | 851.04 | 72.11 | 78.17 |
| October | 186.52 | 175.11 | 869.14 | 885.14 | 77.49 | 78.01 |
| November | 183.12 | 181.01 | 885.10 | 910.08 | 82 53 | 87.08 |
| December | 187.49 | 187.37 | 897.23 | 895.12 | 83 63 | 91 08 |
| Average for year | 184.97 | 181.52 | 869.68 | 883.88 | 76.08 | 77.38 |

## CINCINNATI PORK PACKING.

Details of Pork Packing, at Cincinnati, for the year ending March 1, 1906, with comparisons for the preceding year, in accordance with returns to the Superintendent of the Cincinnati Chamber of Commerce:

| WINTER PACKING. NOVEMBER 1 TO MARCH 1—FOUR MONTHS. | | | SUMMER PACKING. MARCH 1 TO NOVEMBER 1—EIGHT MONTHS. | | |
|---|---|---|---|---|---|
| ARTICLES. | 1905-06 | 1904-05 | ARTICLES. | 1905 | 1904 |
| Number of Hogs packed..... | 255,167 | 268,269 | Number of Hogs packed... | 391,158 | 375,255 |
| Decrease ..... | 13,102 | | Increase..... | 15,903 | |
| Average live weight, lbs..... | 224.37 | 220.04 | Average live weight, lbs... | 209.00 | 208.93 |
| Increase ..... | 4.33 | | Increase..... | 0.07 | |
| Average yield of Lard, lbs... | 36.88 | 34.46 | Average yield of Lard, lbs.. | 34.72 | 36.24 |
| Increase ..... | 2.42 | | Decrease ..... | 1.52 | |
| Percentage yield of Lard.... | 16.44 | 15.66 | Percentage yield of Lard.. | 16.61 | 17.35 |
| Increase..... | 0.78 | | Decrease ..... | 0.74 | |
| Cost of Hogs, 100 lbs..... | $5.38 | $4.81 | Cost of Hogs, 100 lbs..... | $5.68 | $5.41 |
| Increase ..... | $0.57 | | Increase ..... | $0.27 | |
| Aggregate live weight, lbs... | 57,215,000 | 59,028,000 | Aggregate live weight, lbs.. | 81,751,000 | 78,402,000 |
| Decrease..... | 1,813,000 | | Increase..... | 3,349,000 | 7,749,000 |
| Green Sides, etc., made, lbs.. | 18,881,000 | 19,479,000 | Green Sides, etc., made, lbs. | 26,160,000 | 25,089,000 |
| Green Hams made, lbs..... | 6,294,000 | 6,493,000 | Green Hams made, lbs..... | 8,993,000 | 8,624,000 |
| Green Shoulders made, lbs.. | 5,149,000 | 5,313,000 | Green Shoulders made, lbs. | 7,357,000 | 7,056,000 |
| Total Green Meats, lbs..... | 30,324,000 | 31,285,000 | Total Green Meats, lbs..... | 42,510,000 | 40,769,000 |
| Total Lard made, lbs..... | 9,405,000 | 9,245,000 | Total Lard made, lbs..... | 13,578,000 | 13,597,000 |
| Tierces of Lard, 330 lbs..... | 28,500 | 28,015 | Tierces of Lard, 330 lbs.... | 41,145 | 41,203 |
| Total Product, lbs..... | 39,729,000 | 40,530,000 | Total Product, lbs..... | 56,088,000 | 64,366,000 |
| Mess Pork made, bbls..... | ..... | ..... | Mess Pork made, bbls..... | ..... | 75 |
| Other Pork made, bbls..... | 376 | 625 | Other Pork made, bbls..... | 440 | 150 |
| Aggregate cost of Hogs..... | $3,080,000 | $2,839,000 | Aggregate cost of Hogs.... | $4,643,000 | $4,243,000 |

Total number of Hogs packed, at Cincinnati, each year, ending March 1, for years indicated:

| | | | |
|---|---|---|---|
| 1874-75.....696,317 | 1882-83.....507,316 | 1890-91.....523,810 | 1898-99.....696,059 |
| 1875-76..... 682,142 | 1883-84.....489,634 | 1891-92.....484,173 | 1899-00.....656,244 |
| 1876-77.....644,749 | 1884-85.....513,016 | 1892-93.....456,396 | 1900-01.....617,032 |
| 1877-78.....766,718 | 1885-86.....467,464 | 1893-94..... 382,818 | 1901-02.....569,782 |
| 1878-79.....778,101 | 1886-87.....479,525 | 1894-95.....536,790 | 1902-03.....498,376 |
| 1879-80.....684,493 | 1887-88.....475,418 | 1895-96.....559,780 | 1903-04.....585,875 |
| 1880-81.....632,981 | 1888-89 .....440,629 | 1896-97.....625,570 | 1904-05.....643,524 |
| 1881-82.....508,548 | 1889-90.....464,556 | 1897-98.....635,142 | 1905-06.....646,325 |

Average Live Weight and yield of Lard of Hogs packed, at Cincinnati during winter seasons:

| YEARS. | Weight. | Lard | YEARS. | Weight. | Lard. | YEARS. | Weight. | Lard. |
|---|---|---|---|---|---|---|---|---|
| 1876-77..... | 274.71 | 38.20 | 1886-87..... | 265.45 | 35.06 | 1896-97..... | 230.76 | 43.90 |
| 1877-78..... | 284.06 | 40.96 | 1887-88..... | 249.58 | 32.51 | 1897-98..... | 217.33 | 39.77 |
| 1878-79..... | 270.58 | 36.84 | 1888-89..... | 270.10 | 37.85 | 1898-99..... | 217.80 | 38.32 |
| 1879-80..... | 266.31 | 36.18 | 1889-90..... | 255.28 | 37.90 | 1899-00..... | 210.32 | 37.48 |
| 1880-81..... | 268.37 | 39.46 | 1890-91..... | 237.20 | 32.03 | 1900-01..... | 212.01 | 35.51 |
| 1881-82..... | 263.93 | 36.79 | 1891-92..... | 242.89 | 36.00 | 1901-02..... | 199.95 | 34.60 |
| 1882-83..... | 275.61 | 37.07 | 1892-93..... | 228.60 | 33.70 | 1902-03..... | 215.55 | 34.48 |
| 1883-84..... | 262.08 | 34.13 | 1893-94..... | 239.25 | 34.56 | 1903-04..... | 212.45 | 33.88 |
| 1884-85..... | 265.91 | 34.69 | 1894-95..... | 235.57 | 43.76 | 1904-05..... | 220.04 | 34.46 |
| 1885-86..... | 272.22 | 36.08 | 1895-96..... | 233.46 | 36.54 | 1905-06..... | 224.37 | 36.88 |

## CINCINNATI PACKING COMPARISONS.

Total number of Hogs packed, at Cincinnati, each winter season, in seventy-two years, as indicated:

| YEARS. | Winter. | YEARS. | Winter. | YEARS. | Winter. | YEARS. | Winter. |
|---|---|---|---|---|---|---|---|
| 1834–35 | 162,000 | 1852–53 | 361,000 | 1870–71 | 481,560 | 1888–89 | 300,082 |
| 1835–36 | 123,000 | 1853–54 | 431,000 | 1871–72 | 630,301 | 1889–90 | 271,513 |
| 1836–37 | 103,000 | 1854–55 | 355,786 | 1872–73 | 626,305 | 1890–91 | 301,054 |
| 1837–38 | 182,000 | 1855–56 | 405,396 | 1873–74 | 581,253 | 1891–92 | 288,548 |
| 1838–39 | 190,000 | 1856–57 | 344,512 | 1874–75 | 560,164 | 1892–93 | 204,410 |
| 1839–40 | 95,000 | 1857–58 | 446,677 | 1875–76 | 563,359 | 1893–94 | 189,908 |
| 1840–41 | 160,000 | 1858–59 | 382,826 | 1876–77 | 523,576 | 1894–95 | 265,735 |
| 1841–42 | 220,000 | 1859–60 | 434,499 | 1877–78 | 632,302 | 1895–96 | 249,640 |
| 1842–43 | 250,000 | 1860–61 | 433,799 | 1878–79 | 623,584 | 1896–97 | 240,160 |
| 1843–44 | 240,000 | 1861–62 | 474,467 | 1879–80 | 534,559 | 1897–98 | 276,420 |
| 1844–45 | 196,000 | 1862–63 | 608,457 | 1880–81 | 522,425 | 1898–99 | 297,232 |
| 1845–46 | 305,000 | 1863–64 | 370,623 | 1881–82 | 384,878 | 1899–00 | 270,460 |
| 1846–47 | 250,000 | 1864–65 | 350,600 | 1882–83 | 425,400 | 1900–01 | 244,932 |
| 1847–48 | 475,000 | 1865–66 | 354,079 | 1883–84 | 365,451 | 1901–02 | 232,882 |
| 1848–49 | 410,000 | 1866–67 | 462,610 | 1884–85 | 385,435 | 1902–03 | 220,617 |
| 1849–50 | 393,000 | 1867–68 | 366,831 | 1885–86 | 332,696 | 1903–04 | 247,947 |
| 1850–51 | 334,000 | 1868–69 | 356,555 | 1886–87 | 331,401 | 1904–05 | 268,269 |
| 1851–52 | 352,000 | 1869–70 | 337,330 | 1887–88 | 309,588 | 1905–06 | 255,167 |

Total number of Hogs packed, at Cincinnati, each summer season, March 1, to November 1, for years indicated:

| | | | |
|---|---|---|---|
| 1874 ..... 136,153 | 1882 ..... 81,916 | 1890 ..... 222,756 | 1898 ..... 398,827 |
| 1875 ..... 118,783 | 1883 ..... 124,183 | 1891 ..... 195,625 | 1899 ..... 385,784 |
| 1876 ..... 121,173 | 1884 ..... 127,581 | 1892 ..... 251,986 | 1900 ..... 372,100 |
| 1877 ..... 134,416 | 1885 ..... 131,768 | 1893 ..... 192,910 | 1901 ..... 336,900 |
| 1878 ..... 154,517 | 1886 ..... 148,124 | 1894 ..... 271,055 | 1902 ..... 277,759 |
| 1879 ..... 149,934 | 1887 ..... 165,830 | 1895 ..... 310,140 | 1903 ..... 337,926 |
| 1880 ..... 110,556 | 1888 ..... 140,547 | 1896 ..... 385,416 | 1904 ..... 375,255 |
| 1881 ..... 123,670 | 1889 ..... 193,043 | 1897 ..... 358,722 | 1905 ..... 391,158 |

## YEARLY COMPARISONS OF PORK PACKING.

Number of Hogs packed in the West for summer and winter seasons, and twelve months ending March 1, with production of Green Meats and Lard, and cost of Hogs, according to special reports of the *Cincinnati Price Current:*

| YEARS. | Summer Season. | Winter Season. | Year ending March 1. | Green Meats Produced. | Total Lard Produced. | Total Cost of Hogs. |
|---|---|---|---|---|---|---|
| 1887–88 | 5,611,526 | 5,921,181 | 11,532,707 | 1,518,677,000 | 357,755,000 | $133,037,000 |
| 1888–89 | 5,315,122 | 5,483,852 | 10,798,974 | 1,499,251,000 | 359,927,000 | 140,903,000 |
| 1889–90 | 6,881,501 | 6,663,802 | 13,545,303 | 1,885,424,000 | 489,727,000 | 134,169,000 |
| 1890–91 | 9,540,008 | 8,173,126 | 17,713,134 | 2,371,376,000 | 618,732,000 | 158,445,000 |
| 1891–92 | 6,696,398 | 7,761,216 | 14,457,614 | 1,907,903,000 | 479,045,000 | 141,698,000 |
| 1892–93 | 7,757,110 | 4,633,520 | 12,390,630 | 1,557,111,000 | 388,985,000 | 155,766,000 |
| 1893–94 | 6,720,924 | 4,884,082 | 11,605,006 | 1,583,703,000 | 409,052,000 | 166,090,000 |
| 1894–95 | 8,812,125 | 7,191,520 | 16,003,645 | 2,072,195,000 | 533,055,000 | 172,679,000 |
| 1895–96 | 8,194,835 | 6,815,800 | 15,010,635 | 1,958,255,000 | 513,467,000 | 142,268,000 |
| 1896–97 | 9,979,888 | 6,949,090 | 16,928,978 | 2,250,158,000 | 662,040,000 | 135,456,000 |
| 1897–98 | 11,760,475 | 8,440,785 | 20,201,260 | 2,659,190,000 | 721,354,000 | 174,382,000 |
| 1898–99 | 13,931,550 | 9,720,145 | 23,651,695 | 3,071,396,000 | 808,473,000 | 203,696,000 |
| 1899–00 | 13,524,943 | 8,675,878 | 22,200,821 | 2,898,142,000 | 794,453,000 | 212,858,000 |
| 1900–01 | 14,322,924 | 9,277,750 | 23,600,674 | 3,031,322,000 | 805,703,000 | 274,682,000 |
| 1901–02 | 15,071,480 | 10,340,196 | 25,411,676 | 3,047,462,000 | 803,129,000 | 323,346,000 |
| 1902–03 | 12,146,965 | 8,458,606 | 20,605,571 | 2,578,880,000 | 650,707,000 | 313,537,000 |
| 1903–04 | 12,876,658 | 9,499,028 | 22,375,686 | 2,855,000,000 | 724,717,000 | 282,365,000 |
| 1904–05 | 13,461,920 | 10,456,503 | 23,918,423 | 2,973,000,000 | 768,271,000 | 262,693,000 |
| 1905–06 | 15,078,694 | 10,496,066 | 25,574,760 | 3,178,611,000 | 846,421,000 | 302,487,000 |

# MOVEMENT OF SUNDRY STAPLE PRODUCTS.

Receipts and shipments of Staple Products enumerated, at Cincinnati, for commercial years ending August 31, to 1891-92, and calendar years subsequently:

| YEARS. | HAY. | | BRAN, ETC. | | HOPS. | | FEATHERS. | | PEANUTS. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Receipts, tons. | Shipm'ts, tons. | Receipts, tons. | Shipm'ts, tons. | Receipts, bales. | Shipm'ts, bales. | Receipts, sacks. | Shipm'ts, sacks. | Receipts, bush. | Shipm'ts, bush. |
| 1889-90 | 97,089 | 43,883 | 25,802 | 20,915 | 16,097 | 7,070 | 12,185 | 11,784 | 259,205 | 315,920 |
| 1890-91 | 110,979 | 55,323 | 31,745 | 26,962 | 14,027 | 5,597 | 13,818 | 14,093 | 690,965 | 366,491 |
| 1891-92 | 126,421 | 67,021 | 32,508 | 28,434 | 17,061 | 7,358 | 16,783 | 16,558 | 480,225 | 345,830 |
| 1892 | 124,526 | 66,636 | 27,735 | 23,381 | 14,648 | 6,439 | 16,979 | 16,791 | 416,124 | 352,620 |
| 1893 | 100,402 | 44,558 | 17,935 | 11,176 | 18,343 | 8,068 | 11,915 | 13,718 | 342,114 | 328,136 |
| 1894 | 98,080 | 35,594 | 22,984 | 15,976 | 23,748 | 8,471 | 14,670 | 13,896 | 309,301 | 254,421 |
| 1895 | 99,234 | 41,679 | 16,340 | 9,540 | 13,591 | 8,199 | 20,018 | 21,319 | 436,793 | 296,523 |
| 1896 | 76,784 | 19,728 | 25,819 | 19,189 | 18,668 | 12,148 | 18,883 | 18,553 | 444,309 | 200,507 |
| 1897 | 110,545 | 58,848 | 18,260 | 15,394 | 7,833 | 4,575 | 22,131 | 21,923 | 483,069 | 254,399 |
| 1898 | 135,013 | 93,193 | 15,510 | 9,066 | 20,145 | 10,399 | 22,571 | 18,769 | 310,718 | 268,098 |
| 1899 | 113,472 | 66,169 | 30,477 | 23,114 | 12,752 | 9,506 | 28,661 | 21,867 | 282,704 | 269,079 |
| 1900 | 89,911 | 38,579 | 46,751 | 38,462 | 19,129 | 14,509 | 29,880 | 21,803 | 194,826 | 115,376 |
| 1901 | 128,143 | 63,457 | 60,250 | 50,726 | 6,359 | 4,497 | 23,538 | 18,121 | 188,850 | 135,846 |
| 1902 | 166,909 | 91,378 | 78,784 | 67,014 | 8,582 | 3,653 | 23,426 | 15,648 | 247,095 | 170,786 |
| 1903 | 108,091 | 60,472 | 38,062 | 35,508 | 8,130 | 3,458 | 20,580 | 17,863 | 210,334 | 187,569 |
| 1904 | 110,371 | 55,961 | 43,041 | 39,288 | 7,575 | 1,976 | 18,713 | 19,284 | 317,484 | 247,869 |
| 1905 | 131,220 | 78,341 | 50,616 | 42,271 | 8,283 | 1,325 | 26,442 | 22,452 | 384,975 | 386,626 |

| YEARS. | BEER. | | MALT. | | SALT. | | STARCH. | | RICE. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Receipts, bbls. | Shipm'ts, bbls. | Receipts, bush. | Shipm'ts, bush. | Receipts, bbls. | Shipm'ts, bbls. | Receipts, boxes. | Shipm'ts, boxes. | Receipts, bbls. | Shipm'ts, bbls. |
| 1889-90 | 82,469 | 571,804 | 946,175 | 613,205 | 291,445 | 196,578 | 230,869 | 734,267 | 45,496 | 32,454 |
| 1890-91 | 69,500 | 613,159 | 762,939 | 669,909 | 293,986 | 206,099 | 173,761 | 704,903 | 47,777 | 29,692 |
| 1891-92 | 58,874 | 594,687 | 735,663 | 585,512 | 328,018 | 193,164 | 242,422 | 773,959 | 53,525 | 36,245 |
| 1892 | 55,220 | 582,828 | 790,221 | 584,149 | 331,313 | 200,237 | 233,812 | 755,193 | 58,287 | 37,118 |
| 1893 | 63,224 | 520,574 | 708,297 | 439,352 | 293,538 | 192,540 | 78,392 | 470,264 | 57,805 | 33,637 |
| 1894 | 47,900 | 456,756 | 547,888 | 469,869 | 271,251 | 159,676 | 147,562 | 594,733 | 35,104 | 21,529 |
| 1895 | 27,787 | 490,291 | 712,946 | 463,916 | 352,340 | 211,228 | 123,043 | 608,544 | 46,280 | 21,281 |
| 1896 | 20,507 | 493,966 | 674,682 | 509,355 | 360,169 | 214,923 | 216,325 | 707,902 | 32,320 | 18,003 |
| 1897 | 16,356 | 481,003 | 813,431 | 568,959 | 293,679 | 189,873 | 425,289 | 704,732 | 23,099 | 10,739 |
| 1898 | 15,501 | 461,226 | 739,103 | 717,234 | 323,583 | 222,970 | 645,263 | 1,126,125 | 39,514 | 22,596 |
| 1899 | 35,246 | 456,942 | 808,075 | 686,924 | 343,425 | 228,877 | 735,536 | 1,234,816 | 47,722 | 34,661 |
| 1900 | 34,353 | 445,888 | 955,445 | 783,702 | 191,495 | 102,618 | 672,626 | 1,135,034 | 65,739 | 43,591 |
| 1901 | 29,900 | 397,352 | 1,003,481 | 661,495 | 320,594 | 214,068 | 517,338 | 1,027,981 | 78,439 | 57,933 |
| 1902 | 48,953 | 446,949 | 1,012,907 | 555,989 | 443,440 | 310,604 | 386,176 | 835,052 | 105,447 | 77,231 |
| 1903 | 33,163 | 477,703 | 1,186,112 | 689,912 | 360,760 | 300,165 | 379,583 | 598,722 | 47,426 | 31,665 |
| 1904 | 29,546 | 568,993 | 1,137,655 | 748,527 | 476,599 | 362,741 | 473,971 | 360,082 | 62,094 | 36,198 |
| 1905 | 64,154 | 667,890 | 1,402,614 | 670,200 | 472,233 | 353,893 | 572,522 | 453,724 | 50,250 | 29,232 |

| YEARS. | SUGAR. | | MOLASSES. | | COFFEE. | | CANDLES. | | SOAP. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Receipts, bbls. | Shipm'ts, bbls. | Receipts, bbls. | Shipm'ts, bbls. | Receipts, bags. | Shipm'ts, bags. | Receipts, boxes. | Shipm'ts, boxes. | Receipts, boxes. | Shipm'ts, boxes. |
| 1889-90 | 304,309 | 167,901 | 51,825 | 47,536 | 271,817 | 171,463 | 6,301 | 171,159 | 140,575 | 927,603 |
| 1890-91 | 351,050 | 210,626 | 68,774 | 56,077 | 229,441 | 156,194 | 5,855 | 150,815 | 170,340 | 1,011,831 |
| 1891-92 | 281,682 | 144,417 | 39,081 | 38,236 | 277,597 | 168,254 | 7,568 | 189,717 | 143,624 | 1,066,926 |
| 1892 | 282,106 | 150,023 | 39,906 | 42,376 | 285,600 | 183,384 | 12,929 | 175,326 | 140,887 | 1,065,306 |
| 1893 | 248,821 | 115,107 | 46,016 | 49,778 | 249,859 | 175,260 | 7,559 | 168,105 | 136,977 | 1,063,153 |
| 1894 | 284,410 | 136,248 | 53,571 | 44,121 | 215,803 | 160,067 | 9,051 | 142,273 | 136,954 | 1,266,133 |
| 1895 | 287,500 | 143,343 | 47,337 | 35,671 | 242,850 | 176,530 | 10,408 | 130,548 | 137,180 | 1,287,321 |
| 1896 | 250,140 | 124,554 | 40,028 | 26,052 | 278,874 | 217,839 | 7,660 | 128,002 | 110,780 | 1,428,757 |
| 1897 | 276,946 | 118,060 | 40,837 | 32,700 | 346,932 | 266,923 | 8,702 | 125,470 | 153,817 | 1,546,376 |
| 1898 | 266,951 | 126,185 | 57,333 | 42,135 | 358,269 | 281,285 | 14,801 | 137,193 | 132,087 | 1,572,797 |
| 1899 | 353,690 | 188,662 | 47,604 | 39,084 | 325,320 | 248,454 | 13,919 | 164,640 | 163,020 | 1,998,914 |
| 1900 | 263,139 | 109,012 | 41,716 | 35,031 | 205,710 | 156,858 | 27,202 | 121,609 | 141,326 | 2,247,397 |
| 1901 | 288,276 | 134,829 | 55,476 | 36,872 | 282,682 | 246,194 | 13,753 | 195,618 | 144,791 | 2,497,221 |
| 1902 | 335,279 | 142,098 | 82,477 | 48,503 | 316,727 | 251,060 | 12,438 | 199,640 | 185,370 | 2,567,447 |
| 1903 | 263,780 | 101,997 | 37,606 | 35,360 | 264,696 | 180,148 | 10,470 | 101,393 | 177,718 | 2,757,535 |
| 1904 | 284,520 | 112,205 | 45,987 | 35,126 | 296,002 | 238,144 | 11,948 | 111,398 | 182,890 | 3,038,726 |
| 1905 | 290,253 | 127,354 | 34,351 | 29,115 | 297,795 | 261,061 | 10,918 | 84,035 | 233,078 | 3,067,590 |

## MOVEMENT OF FLOUR, SEED, POTATOES AND COTTON.

Receipts and shipments of Flour, Grass Seed, Flaxseed, Potatoes and Cotton, at Cincinnati, for commercial and calendar years indicated:

| YEARS. | FLOUR. | | GRASS SEED. | | FLAXSEED. | | POTATOES. | | COTTON. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Receipts, bbls. | Shipm'ts, bbls. | Receipts, bags. | Shipm'ts, bags. | Receipts, bush. | Shipm'ts, bush. | Receipts, bbls. | Shipm'ts, bbls. | Receipts, bales. | Shipm'ts, bales. |
| 1884-85 | 874,548 | 585,080 | 85,900 | 83,509 | 10,463 | 2,952 | 517,619 | 248,863 | 276,636 | 272,447 |
| 1885-86 | 832,686 | 568,989 | 86,242 | 82,934 | 47,095 | 510 | 404,909 | 221,611 | 387,175 | 381,016 |
| 1886-87 | 1,043,057 | 807,110 | 116,172 | 104,582 | 54,425 | 31,567 | 301,913 | 178,967 | 341,100 | 332,142 |
| 1887-88 | 1,026,619 | 758,253 | 95,066 | 91,026 | 2,966 | 1,382 | 614,179 | 287,729 | 362,524 | 353,968 |
| 1888-89 | 1,055,122 | 709,563 | 100,043 | 82,279 | 25,538 | 18,216 | 621,821 | 323,517 | 365,896 | 351,272 |
| 1889-90 | 1,587,768 | 1,220,455 | 118,617 | 92,872 | 32,380 | 23,528 | 359,554 | 213,249 | 316,674 | 307,443 |
| 1890-91 | 1,712,475 | 1,430,076 | 77,401 | 78,874 | 1,487 | 237 | 605,017 | 225,842 | 349,839 | 337,198 |
| 1891-92 | 2,040,466 | 1,710,614 | 104,549 | 96,792 | 108,292 | 107,942 | 559,494 | 331,433 | 302,095 | 282,850 |
| 1892 | 1,903,846 | 1,529,181 | 109,663 | 95,607 | 61,158 | 60,613 | 558,387 | 330,157 | 267,101 | 260,428 |
| 1893 | 1,879,586 | 1,435,363 | 118,218 | 112,405 | 40,197 | 38,536 | 620,018 | 294,674 | 221,628 | 207,406 |
| 1894 | 1,475,345 | 1,089,665 | 143,136 | 123,939 | 993 | 824 | 573,067 | 250,881 | 347,517 | 334,137 |
| 1895 | 1,892,545 | 1,504,858 | 126,563 | 111,360 | 2,910 | 1,546 | 843,712 | 373,243 | 272,368 | 258,952 |
| 1896 | 1,984,843 | 1,583,203 | 147,109 | 124,229 | 1,682 | 555 | 601,985 | 307,018 | 295,410 | 286,820 |
| 1897 | 1,984,822 | 1,592,295 | 151,067 | 118,248 | 1,856 | 441 | 734,473 | 319,525 | 249,682 | 240,604 |
| 1898 | 2,318,410 | 1,917,909 | 165,624 | 107,770 | 1,589 | 57 | 750,887 | 259,391 | 313,709 | 288,741 |
| 1899 | 2,154,374 | 1,778,373 | 150,484 | 123,525 | 425 | ..... | 774,698 | 367,571 | 353,368 | 340,181 |
| 1900 | 2,561,977 | 2,161,744 | 190,311 | 148,393 | 1,102 | 614 | 1,067,428 | 402,482 | 201,193 | 196,847 |
| 1901 | 3,031,743 | 2,560,351 | 187,927 | 167,377 | 2,646 | 2,152 | 654,793 | 325,099 | 233,966 | 212,172 |
| 1902 | 2,408,058 | 1,898,091 | 229,683 | 201,294 | 2,516 | 2,171 | 594,816 | 303,785 | 179,819 | 175,737 |
| 1903 | 1,553,704 | 1,102,959 | 119,745 | 96,148 | 3,714 | 1,839 | 602,681 | 248,816 | 103,517 | 91,134 |
| 1904 | 1,524,725 | 1,038,986 | 180,904 | 145,329 | 3,671 | 1,517 | 603,003 | 215,389 | 148,320 | 146,755 |
| 1905 | 1,407,167 | 903,615 | 183,154 | 156,157 | 4,378 | 1,288 | 516,112 | 209,790 | 176,006 | 149,299 |

## MOVEMENT OF GREEN AND DRIED FRUIT.

Receipts and shipments of Green Apples, Oranges, Lemons and Dried Fruit, at Cincinnati, for commercial and calendar years indicated:

| YEARS. | GREEN APPLES. | | ORANGES. | | LEMONS. | | DRIED FRUIT. | |
|---|---|---|---|---|---|---|---|---|
| | Receipts, bbls. | Shipm'ts, bbls. | Receipts, boxes. | Shipm'ts, boxes. | Receipts, boxes. | Shipm'ts, boxes. | Receipts, pounds. | Shipm'ts, pounds. |
| 1880-81 | 216,880 | 113,314 | 46,130 | ..... | 23,701 | ..... | 4,791,666 | 2,949,380 |
| 1881-82 | 229,539 | 119,582 | 56,344 | 17,571 | 26,991 | 4,973 | 4,613,840 | 3,186,036 |
| 1882-83 | 305,041 | 181,091 | 91,881 | 35,621 | 40,979 | 11,021 | 3,677,756 | 4,573,336 |
| 1883-84 | 234,033 | 115,229 | 141,129 | 81,965 | 61,806 | 18,516 | 6,701,324 | 5,335,904 |
| 1884-85 | 278,827 | 114,003 | 180,046 | 109,964 | 45,487 | 14,765 | 8,471,120 | 6,106,240 |
| 1885-86 | 281,141 | 152,414 | 119,081 | 62,214 | 35,148 | 10,373 | 5,868,044 | 3,366,944 |
| 1886-87 | 242,058 | 120,262 | 198,318 | 127,415 | 61,197 | 18,993 | 2,764,139 | 3,828,625 |
| 1887-88 | 362,847 | 198,438 | 131,216 | 67,761 | 53,003 | 13,946 | 4,791,030 | 3,372,407 |
| 1888-89 | 275,157 | 213,170 | 241,697 | 153,192 | 54,549 | 19,591 | 3,828,111 | 2,059,135 |
| 1889-90 | 210,659 | 190,775 | 244,770 | 151,779 | 71,074 | 25,596 | 4,298,630 | 4,010,774 |
| 1890-91 | 153,211 | 92,897 | 315,033 | 212,235 | 52,562 | 23,612 | 2,437,197 | 1,832,312 |
| 1891-92 | 234,469 | 166,741 | 508,092 | 391,617 | 71,939 | 37,417 | 5,805,284 | 4,683,604 |
| 1892 | 306,498 | 153,847 | 518,524 | 398,154 | 72,728 | 37,133 | 3,357,478 | 2,561,180 |
| 1893 | 223,263 | 130,545 | 526,430 | 392,852 | 71,438 | 34,589 | 3,340,982 | 2,522,453 |
| 1894 | 239,299 | 92,398 | 664,893 | 505,080 | 71,955 | 30,323 | 6,897,088 | 4,303,096 |
| 1895 | 244,585 | 155,231 | 157,632 | 92,451 | 56,339 | 26,002 | 9,266,633 | 6,747,802 |
| 1896 | 434,013 | 219,029 | 99,839 | 43,236 | 68,895 | 27,770 | 5,708,311 | 4,367,904 |
| 1897 | 385,409 | 202,185 | 108,650 | 50,122 | 68,230 | 30,546 | 5,686,044 | 3,618,571 |
| 1898 | 233,619 | 103,284 | 138,304 | 56,203 | 42,072 | 19,691 | 4,341,041 | 3,455,200 |
| 1899 | 210,877 | 106,186 | 121,519 | 52,765 | 65,550 | 29,793 | 5,634,697 | 4,545,681 |
| 1900 | 351,862 | 154,715 | 199,016 | 91,177 | 56,779 | 26,901 | 4,217,692 | 2,717,099 |
| 1901 | 222,087 | 128,160 | 343,818 | 168,736 | 86,181 | 45,850 | 3,284,236 | 2,142,585 |
| 1902 | 356,653 | 134,765 | 231,681 | 132,001 | 63,239 | 59,518 | 4,512,244 | 2,165,504 |
| 1903 | 390,203 | 204,730 | 266,368 | 192,456 | 67,633 | 31,435 | 3,095,432 | 1,147,407 |
| 1904 | 416,991 | 203,045 | 389,039 | 199,119 | 78,066 | 35,112 | 3,566,722 | 1,726,399 |
| 1905 | 299,891 | 145,948 | 398,531 | 212,387 | 70,156 | 31,108 | 2,844,830 | 1,266,342 |

## MOVEMENT OF BUTTER, CHEESE, EGGS AND WOOL.

Receipts and shipments of Butter, Cheese, Eggs and Wool, at Cincinnati, for commercial years ending August 31, to 1891-92, calendar years subsequently:

| YEARS. | BUTTER. | | | | CHEESE. | | EGGS. | | WOOL. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Receipts, barrels. | Receipts, tubs, etc. | Shipm'ts, barrels. | Shipm'ts, tubs, etc. | Receipts, boxes. | Shipm'ts, boxes. | Receipts, cases. | Shipm'ts, cases. | Receipts, bales. | Shipm'ts, bales. |
| 1882-83..... | 1,033 | 115,671 | 218 | 12,859 | 105,845 | 47,822 | 152,354 | 37,803 | 27,170 | 25,998 |
| 1883-84..... | 944 | 96,004 | 70 | 14,851 | 98,574 | 45,107 | 177,172 | 58,075 | 18,284 | 17,923 |
| 1884-85..... | 856 | 87,812 | 100 | 16,944 | 97,852 | 48,520 | 147,458 | 44,506 | 23,042 | 27,005 |
| 1885-86..... | 785 | 98,071 | 247 | 20,884 | 82,752 | 38,872 | 213,619 | 69,899 | 32,357 | 32,075 |
| 1886-87..... | 746 | 80,693 | 156 | 6,623 | 91,197 | 40,090 | 245,235 | 99,323 | 26,212 | 24,404 |
| 1887-88..... | 517 | 73,281 | 270 | 8,829 | 104,950 | 40,948 | 179,437 | 53,064 | 16,611 | 17,664 |
| 1888-89..... | 643 | 73,976 | 729 | 8,693 | 95,324 | 45,609 | 258,573 | 131,783 | 31,560 | 30,666 |
| 1889-90..... | 377 | 80,361 | 144 | 8,789 | 125,923 | 60,696 | 290,396 | 159,876 | 42,026 | 37,047 |
| 1890-91..... | ..... | 72,847 | ..... | 17,333 | 120,474 | 64,255 | 262,212 | 157,626 | 39,087 | 37,973 |
| 1891-92..... | ..... | 68,672 | ..... | 10,174 | 118,964 | 73,370 | 262,694 | 145,009 | 68,589 | 68,279 |
| 1892..... | ..... | 75,523 | ..... | 9,922 | 128,627 | 81,823 | 272,661 | 154,110 | 79,167 | 79,011 |
| 1893..... | ..... | 81,143 | ..... | 9,856 | 125,476 | 75,627 | 318,881 | 165,328 | 55,483 | 53,361 |
| 1894..... | ..... | 90,711 | ..... | 15,085 | 118,289 | 67,681 | 321,011 | 161,237 | 52,315 | 51,628 |
| 1895..... | ..... | 122,383 | ..... | 21,066 | 153,214 | 95,608 | 267,494 | 92 834 | 26,362 | 31,007 |
| 1896..... | ..... | 135,594 | ..... | 23,992 | 144,451 | 95,048 | 361,265 | 176.448 | 22,741 | 25,145 |
| 1897..... | ..... | 127,147 | ..... | 28,030 | 137,258 | 89,930 | 339,457 | 176,409 | 45,614 | 47,263 |
| 1898..... | ..... | 138,549 | ..... | 27,320 | 102,558 | 56,830 | 306,423 | 139.275 | 16,884 | 20,447 |
| 1899..... | ..... | 160,207 | ..... | 34,813 | 112,098 | 68,401 | 389,543 | 221,649 | 29,640 | 33,476 |
| 1900..... | ..... | 223,424 | ..... | 32,759 | 136,897 | 78,527 | 414,623 | 129,578 | 11,983 | 16,503 |
| 1901..... | ..... | 237,946 | ..... | 29,139 | 137,402 | 78,712 | 493,218 | 206,545 | 23,572 | 33,503 |
| 1902..... | ..... | 223,075 | ..... | 36,619 | 145,484 | 78,789 | 464,799 | 243,458 | 60,324 | 66,220 |
| 1903..... | ..... | 120,800 | ..... | 45,291 | 111,989 | 72,990 | 338,327 | 237,289 | 145,660 | 151,524 |
| 1904..... | ..... | 146,598 | ..... | 47,322 | 128,490 | 85,009 | 377,263 | 265,276 | 111,878 | 125,442 |
| 1905..... | ..... | 154,605 | ..... | 68,297 | 142,148 | 100,170 | 420,604 | 311,396 | 120,053 | 120,842 |

## MOVEMENT OF OILS, TALLOW, HIDES AND LEATHER.

Receipts and shipments of Petroleum, Other Oils, Tallow, Hides and Leather, at Cincinnati, for years ending August 31, to 1891-92, calendar years subsequently:

| YEARS. | PETROLEUM. | | OTHER OILS. | | TALLOW. | | HIDES. | | LEATHER. | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Receipts, bbls. | Shipm'ts, bbls. | Receipts, bbls. | Shipm'ts, bbls. | Receipts, tierces. | Shipm'ts, tierces. | Receipts, pieces. | Shipm'ts, pieces. | Receipts, bundles. | Shipm'ts, bundles. |
| 1881-82..... | 241,108 | 168,895 | 114,000 | 96,767 | 36,263 | 4,046 | 353,022 | 225,768 | 47,373 | 49,387 |
| 1882-83..... | 219,068 | 123,216 | 135,959 | 111,542 | 32,936 | 10,319 | 339,124 | 219,206 | 43,516 | 51,914 |
| 1883-84..... | 219,980 | 122,629 | 124,628 | 109,893 | 36,829 | 14,173 | 231,849 | 167,046 | 36,967 | 46,037 |
| 1884-85..... | 234,467 | 150,612 | 90,675 | 68,960 | 41,223 | 12,987 | 282,290 | 191,956 | 35,121 | 42,174 |
| 1885-86..... | 306,804 | 220,854 | 124,458 | 84,675 | 40,277 | 9,963 | 271,227 | 155,923 | 35,610 | 47,638 |
| 1886-87..... | 469,940 | 359,052 | 107,783 | 79,414 | 44,548 | 13,912 | 370,465 | 200,087 | 37,513 | 50,606 |
| 1887-88..... | 635,356 | 466,349 | 81,579 | 81,692 | 34,175 | 10,452 | 341,412 | 192,274 | 36,253 | 49,881 |
| 1888-89..... | 533,188 | 335,658 | 90,954 | 60,117 | 39,617 | 3,699 | 372,091 | 178,095 | 39,542 | 56,905 |
| 1889-90..... | 724,305 | 481,205 | 83,653 | 77,746 | 54,919 | 3,441 | 425,019 | 284,706 | 51,544 | 70,363 |
| 1890-91..... | 679,995 | 492,187 | 141,025 | 106,684 | 75,277 | 5,760 | 498,560 | 305,349 | 61,041 | 79,162 |
| 1891-92..... | 501,738 | 306,414 | 157,006 | 126,575 | 57,933 | 6,600 | 499,122 | 320,776 | 64,487 | 94,033 |
| 1892..... | 481,935 | 274,302 | 150,000 | 124,153 | 60,958 | 5,559 | 552,514 | 402,905 | 69,611 | 94,364 |
| 1893..... | 473,935 | 292,704 | 152,954 | 109,780 | 54,628 | 5,110 | 545,575 | 442,653 | 66,170 | 74,378 |
| 1894..... | 430,856 | 206,605 | 200,808 | 140,267 | 50,999 | 4,533 | 437,040 | 351,533 | 73,994 | 73,331 |
| 1895..... | 439,431 | 195,046 | 259,636 | 218,625 | 44,851 | 4,734 | 503,726 | 428,120 | 86,349 | 71,775 |
| 1896..... | 401,942 | 178,376 | 193,305 | 149,283 | 57,377 | 7,028 | 412,174 | 344,668 | 97,245 | 86,450 |
| 1897..... | 377,392 | 144,098 | 208,964 | 146,273 | 48,945 | 2,440 | 464,418 | 351,601 | 101,882 | 88,813 |
| 1898..... | 417,301 | 142,032 | 290,200 | 270,393 | 74,949 | 9,181 | 568,964 | 441,269 | 152,326 | 118,445 |
| 1899..... | 359,209 | 137,277 | 345,817 | 303,815 | 90,580 | 20,925 | 630,315 | 439,938 | 192,842 | 173,156 |
| 1900..... | 334,893 | 127,572 | 346,626 | 287,092 | 61,452 | 7,948 | 587,400 | 319,959 | 237,539 | 188,793 |
| 1901..... | 321,734 | 109,179 | 518,499 | 421,772 | 61,823 | 5,023 | 650,772 | 451,687 | 291,617 | 206,345 |
| 1902..... | 316,749 | 110,990 | 590,193 | 474,346 | 59,406 | 9,442 | 758,507 | 631,148 | 308,465 | 225,511 |
| 1903..... | 270,784 | 126,962 | 475,895 | 435,548 | 48,151 | 6,278 | 566,231 | 502,477 | 259,281 | 200,427 |
| 1904..... | 290,792 | 100,927 | 520,908 | 446,744 | 59,950 | 4,022 | 657,284 | 548,633 | 230,323 | 197,458 |
| 1905..... | 261,032 | 95,516 | 677,336 | 574,235 | 65,953 | 6,785 | 693,229 | 593,693 | 256,136 | 232,737 |

## PRICES OF CLOVER AND TIMOTHY SEED, AND HAY.

Quotations for Clover Seed and Timothy Seed, on arrival, at Cincinnati, per bushel, and Hay (No. 1 Timothy), per ton, on Tuesday of each week, in years indicated:

| DATES. | | CLOVER SEED. | | TIMOTHY SEED. | | HAY. | |
|---|---|---|---|---|---|---|---|
| | | 1905 | 1904 | 1905 | 1904 | 1905 | 1904 |
| January | 3 | $6 40@7 00 | $5 75@6 00 | $1 15@1 30 | $1 20@1 35 | $12 00@12 50 | $12 50@13 00 |
| | 10 | 6 40@7 00 | 5 75@6 00 | 1 15@1 30 | 1 20@1 35 | 12 50@12 75 | 12 75 |
| | 17 | 6 40@7 00 | 5 75@6 00 | 1 15@1 30 | 1 20@1 35 | 12 50 | 12 75@13 00 |
| | 24 | 6 40@7 00 | 5 75@6 25 | 1 15@1 30 | 1 20@1 35 | 12 00@12 25 | 12 75@13 25 |
| | 31 | 6 40@7 00 | 5 75@6 25 | 1 15@1 30 | 1 25@1 35 | 12 00 | 13 25 |
| February | 7 | 6 40@7 00 | 5 75@6 25 | 1 15@1 30 | 1 25@1 35 | 12 00 | 13 25@13 50 |
| | 14 | 6 40@7 00 | 5 75@6 25 | 1 15@1 30 | 1 25@1 35 | 11 75@12 00 | 13 25@13 50 |
| | 21 | 6 40@7 00 | 5 75@6 25 | 1 15@1 30 | 1 25@1 35 | 12 00 | 12 50@12 75 |
| | 28 | 6 40@7 00 | 5 75@6 25 | 1 15@1 30 | 1 25@1 35 | 12 00@12 25 | 12 50@12 75 |
| March | 7 | 6 40@7 00 | 6 00@6 90 | 1 15@1 30 | 1 25@1 35 | 12 75@13 00 | 13 00 |
| | 14 | 6 40@7 00 | 6 40@6 60 | 1 15@1 30 | 1 25@1 35 | 12 50@12 75 | 13 50@13 75 |
| | 21 | 6 40@7 00 | 6 25@6 50 | 1 15@1 30 | 1 25@1 35 | 11 75@12 00 | 13 50 |
| | 28 | 6 40@7 00 | 6 25@6 50 | 1 15@1 30 | 1 25@1 35 | 12 00 | 13 75@14 00 |
| April | 4 | 6 40@7 00 | 6 25@6 50 | 1 15@1 30 | 1 25@1 35 | 12 00@12 50 | 13 75@14 00 |
| | 11 | 6 40@7 00 | 5 75@6 00 | 1 15@1 30 | 1 20@1 30 | 12 25 | 13 75 |
| | 18 | 7 25@7 75 | 5 50@5 75 | 1 20@1 30 | 1 20@1 30 | 12 25 | 13 75@14 00 |
| | 25 | 7 25@7 75 | 5 50@5 75 | 1 20@1 30 | 1 20@1 30 | 12 00 | 13 75@14 00 |
| May | 2 | 7 25@7 75 | 4 80@5 00 | 1 20@1 30 | 1 20@1 30 | 11 50@11 75 | 14 00@14 50 |
| | 9 | 7 25@7 75 | 4 80@5 00 | 1 20@1 30 | 1 20@1 30 | 11 75@12 00 | 15 00 |
| | 16 | 6 25@6 75 | 4 80@5 00 | 1 20@1 30 | 1 20@1 30 | 12 00@12 50 | 15 25@15 50 |
| | 23 | 6 25@6 75 | 4 80@5 00 | 1 20@1 30 | 1 20@1 30 | 11 75@12 00 | 15 00@15 50 |
| | 30 | 6 25@6 75 | 4 80@5 00 | 1 20@1 30 | 1 20@1 30 | 11 75 | 14 75@15 25 |
| June | 6 | 6 25@6 75 | 4 80@5 00 | 1 20@1 30 | 1 20@1 30 | 11 50@11 75 | 13 50@13 75 |
| | 13 | 6 25@6 75 | 4 80@5 00 | 1 20@1 30 | 1 20@1 30 | 10 75@11 25 | 13 00@13 25 |
| | 20 | 6 25@6 75 | 4 80@5 00 | 1 20@1 30 | 1 20@1 30 | 10 75 | 14 50 |
| | 27 | 6 25@6 75 | 4 80@5 00 | 1 20@1 30 | 1 20@1 30 | 10 25@10 75 | 13 50@14 00 |
| July | 4 | 6 25@6 75 | 4 80@5 00 | 1 20@1 30 | 1 20@1 30 | 10 50@10 75 | 12 00@12 50 |
| | 11 | 6 25@6 75 | 4 80@5 00 | 1 20@1 30 | 1 20@1 30 | 11 50@12 00 | 13 00@13 50 |
| | 18 | 6 25@6 75 | 4 80@5 00 | 1 20@1 30 | 1 20@1 30 | 11 75@12 00 | 13 00@13 50 |
| | 25 | 6 25@6 75 | 4 80@5 00 | 1 20@1 30 | 1 20@1 30 | 12 25@12 50 | 13 00@13 25 |
| August | 1 | 6 25@6 75 | 4 80@5 00 | 1 20@1 30 | 1 20@1 30 | 12 00@12 50 | 13 50@13 75 |
| | 8 | ..... | 5 75@6 25 | 1 35@1 45 | 1 25@1 35 | 12 00@12 50 | 13 50@14 00 |
| | 15 | ..... | 5 75@6 25 | 1 35@1 45 | 1 25@1 35 | *10 00@10 50 | 13 00@13 50 |
| | 22 | ..... | 6 00@6 50 | 1 35@1 45 | 1 20@1 35 | 10 25@10 50 | *12 00@12 50 |
| | 29 | ..... | 6 00@6 50 | 1 45@1 60 | 1 20@1 35 | 11 00@11 50 | 11 50@12 00 |
| September | 5 | ..... | 6 00@6 50 | 1 45@1 60 | 1 20@1 35 | 11 50@12 00 | 12 00@12 25 |
| | 12 | 5 70@6 00 | 6 00@6 50 | 1 40@1 55 | 1 20@1 35 | 11 50@12 00 | 11 25@11 50 |
| | 19 | 5 70@6 00 | 6 00@6 50 | 1 40@1 55 | 1 20@1 35 | 12 00@12 50 | 11 00@11 50 |
| | 26 | 5 70@6 00 | 6 00@6 50 | 1 40@1 55 | 1 15@1 25 | 12 25@12 50 | 11 00@11 50 |
| October | 3 | 5 70@6 00 | 6 00@6 75 | 1 40@1 55 | 1 12@1 25 | 12 50 | 11 50@12 00 |
| | 10 | 5 70@6 00 | 6 00@6 75 | 1 40@1 55 | 1 12@1 25 | 12 25@12 50 | 11 50@12 00 |
| | 17 | 5 70@6 00 | 5 50@6 50 | 1 40@1 55 | 1 12@1 25 | 12 25@12 50 | 12 25@12 50 |
| | 24 | 6 50@7 00 | 5 50@6 50 | 1 35@1 40 | 1 12@1 25 | 12 25@12 50 | 11 50@12 00 |
| | 31 | 6 50@7 00 | 5 50@6 50 | 1 35@1 40 | 1 12@1 25 | 12 25@12 50 | 11 50 |
| November | 7 | 6 50@7 00 | 5 50@6 50 | 1 35@1 40 | 1 12@1 25 | 12 00@12 25 | 11 50 |
| | 14 | 6 50@7 00 | 5 50@6 25 | 1 35@1 40 | 1 15@1 30 | 12 25@12 50 | 11 25@11 50 |
| | 21 | 6 50@7 00 | 5 50@6 25 | 1 35@1 40 | 1 15@1 30 | 13 00 | 11 75@12 00 |
| | 28 | 6 50@7 00 | 5 50@6 25 | 1 35@1 40 | 1 15@1 30 | 13 00@13 50 | 12 00@12 25 |
| December | 5 | 6 50@7 00 | 5 50@6 25 | 1 30@1 35 | 1 15@1 30 | 13 00@13 50 | 12 25@12 50 |
| | 12 | 6 50@7 50 | 6 50@7 50 | 1 30@1 35 | 1 15@1 30 | 13 00@13 50 | 12 00@12 50 |
| | 19 | 6 50@7 50 | 6 50@7 50 | 1 30@1 35 | 1 15@1 30 | 12 25@12 75 | 12 25@12 50 |
| | 26 | 6 50@7 50 | 6 50@7 50 | 1 30@1 35 | 1 15@1 30 | 12 50@12 75 | 12 00 |
| | | ..... | ..... | ..... | ..... | ..... | ..... |

*New.

## PRICES OF HAY BY GRADES.

Prices of Hay, at Cincinnati, at the close of December, as indicated:

| KINDS. | 1905 | 1904 | 1903 | 1902 | 1901 | 1900 |
|---|---|---|---|---|---|---|
| No. 1 Timothy, on arrival | $12 50@12 75 | $12 00@12 25 | $12 50@13 00 | $14 00@14 50 | $13 50 | $14 00@14 25 |
| No. 2 Timothy, on arrival | 11 00@11 25 | 10 50@11 00 | 11 00@11 50 | 13 00@13 50 | 11 50@12 00 | 12 00@12 25 |
| Mixed, on arrival | 9 00@10 50 | 9 00@10 50 | 9 00@10 50 | 12 00@13 50 | 9 00@11 50 | 11 00@12 50 |

## PRICES OF BUTTER, CHEESE AND EGGS.

Quotations for choice Dairy Butter, fancy Creamery Butter, and Ohio Cheese, per pound, and Eggs, per dozen, at Cincinnati, on Tuesday of each week:

| DATES. | DAIRY BUTTER. | | CREAMERY BUTTER. | | CHEESE. | | EGGS. | |
|---|---|---|---|---|---|---|---|---|
| | 1905 | 1904 | 1905 | 1904 | 1905 | 1904 | 1905 | 1904 |
| January 3 | 15 | 12 | 28 @29 | 21½@22½ | 12½@13 | 10½ | 25 | 32 |
| 10 | 16 | 12 | 29 @30 | 21½@22½ | 12½@13 | 10½ | 27 | 25 |
| 17 | 17 | 11 | 29 @30½ | 19½@20½ | 12½@13 | 10½ | 26 | 27 |
| 24 | 17 | 11½ | 29½@30½ | 19½@20½ | 12½@13 | 10½ | 23 | 30 |
| 31 | 17 | 11 | 29 @30 | 19½@20½ | 12½@13 | 10½ | 27 | 27 |
| February 7 | 19 | 11½ | 30 @31 | 21½@22½ | 12½@13 | 10½ | 29 | 27 |
| 14 | 20 | 12 | 31 @32 | 23 @24 | 12½@13 | 10½ | 30 | 27 |
| 21 | 22 | 12 | 33 @34 | 23 @24 | 12½@13 | 10½ | 24 | 22 |
| 28 | 22 | 12 | 33 @34 | 23 @24 | 12½@13 | 10½ | 28 | 19 |
| March 7 | 20 | 12 | 29 @30 | 22 @23 | 12½@13 | 10½ | 20 | 16½ |
| 14 | 18 | 12 | 24 @25 | 22 @23 | 14 @14¼ | 10½ | 15 | 17 |
| 21 | 16 @19 | 12 | 25 @26 | 22 @23 | 14 @14¼ | 10½ | 15½ | 14½ |
| 28 | 18 @20 | 11 | 28 @29 | 22 @23 | 14 @14¼ | 10½ | 15 | 17 |
| April 4 | 18 @20 | 11 | 26 @27 | 22 @23 | 14 @14¼ | 10½ | 15 | 16 |
| 11 | 18 @20 | 11 | 28 @30 | 22 @23 | 14 @14¼ | 10½ | 16 | 16½ |
| 18 | 18 @22 | 11 | 30 @32 | 20½@21½ | 14 @14¼ | 10½ | 16 | 16½ |
| 25 | 18 @20 | 11 | 28 @29 | 20½@21½ | 14 @14¼ | 10½ | 16 | 16½ |
| May 2 | 15 | 11 | 24 @25 | 20½@21½ | 14 @14¼ | 10 | 16 | 17 |
| 9 | 16 | 12 | 23½@24½ | 20 @21½ | 14 @14¼ | 10 | 15½ | 16½ |
| 16 | 16 | 11 | 21½@22½ | 19½@21 | 14 @14¼ | 9½ | 15 | 16½ |
| 23 | 15½ | 10½ | 20½@21½ | 18½@20 | 14 @14¼ | 9½ | 15 | 15½ |
| 30 | 15½ | 10½ | 20½@21½ | 17½@19 | 14 @14¼ | 9 @ 9½ | 15 | 15 |
| June 6 | 13 | 11 | 20 @21 | 17½@19 | 12 @12¼ | 9 @ 9½ | 15 | 15½ |
| 13 | 13 | 11 | 19 @20 | 17½@19 | 10 @10½ | 9 @ 9½ | 15 | 16 |
| 20 | 13 | 11 | 19½@20½ | 17½@19 | 10 @10½ | 8 @ 8½ | 14½ | 16 |
| 27 | 14 | 10 | 19½@20½ | 17½@19 | 10 @10½ | 8 @ 8½ | 14½ | 16 |
| July 4 | 14 | 10 | 19½@20½ | 17½@19 | 10 @10½ | 8 @ 8½ | 14½ | 16 |
| 11 | 14 | 10 | 19½@20½ | 17½@19 | 10 @10½ | 8 @ 8½ | 14 | 16 |
| 18 | 14 | 10 | 19½@20½ | 17 @18½ | 10 @10½ | 8 @ 8½ | 14 | 16 |
| 25 | 14½ | 10 | 19½@20½ | 17 @18½ | 10 @10½ | 8 @ 8½ | 14 | 16 |
| August 1 | 15½ | 10 | 19½@20½ | 17 @18½ | 11 @11¼ | 8 @ 8½ | 14 | 15½ |
| 8 | 15½ | 10 | 20½@21½ | 17 @18½ | 11 @11¼ | 8 @ 8½ | 15 | 15 @16 |
| 15 | 15½ | 10 | 20 @21 | 18 @19 | 11 @11¼ | 8 @ 8½ | 16 | 15 @16 |
| 22 | 15½ | 10 | 20 @21 | 18 @19 | 11 @11¼ | 8½@ 9 | 17 | 16 @17 |
| 29 | 15½ | 10 | 20½@21½ | 18 @19 | 11 @11¼ | 8½@ 9 | 17 | 16 @18 |
| September 5 | 15 | 10 | 20½@21½ | 19 @20 | 11 @11¼ | 8½@ 9 | 17½ | 16 @18 |
| 12 | 15 | 10½ | 20½@21½ | 19 @20 | 11 @11¼ | 8½@ 9 | 18 | 16 @18 |
| 19 | 15 | 10½ | 20½@21½ | 19½@20½ | 12 @12½ | 8½@ 9 | 19 | 18 @19 |
| 26 | 15 | 10½ | 20 @21 | 20 @20½ | 12 @12½ | 8½@ 9 | 19 | 18 @19 |
| October 3 | 15 | 10½ | 20½@21½ | 20 @20½ | 12 @12½ | 8¼@ 9 | 18½ | 18 @19 |
| 10 | 15 | 10½ | 20½@21½ | 20 @20½ | 12 @12½ | 8½@ 9 | 18½ | 19 |
| 17 | 15 | 10½ | 20½@21½ | 21 @21½ | 12 @12½ | 8½@ 9 | 18½ | 19 |
| 24 | 15 | 12 | 22 @23 | 21½@22 | 12 @12½ | 8½@ 9 | 21 | 20 |
| 31 | 15 | 12 | 22 @23 | 23 @23½ | 12 @12½ | 8½@ 9 | 23 | 21 |
| November 7 | 15 | 12 | 22 @23 | 23 @23½ | 13½@14 | 8½@ 9 | 24 | 23 |
| 14 | 15 | 13 | 23 @24 | 25 @25½ | 13½@14 | 9 @10 | 26 | 25 |
| 21 | 15 | 13 | 23 @24 | 25 @25½ | 13½@14 | 9 @10 | 28 | 25 |
| 28 | 15 | 13 | 23½@24½ | 25 @25½ | 13½@14 | 10 @10½ | 26 | 26 |
| December 5 | 15½ | 13 | 23½@24½ | 26½@27 | 13½@14 | 10 @10½ | 27 | 26 |
| 12 | 15 | 14 | 24 @25 | 26½@27 | 13½@14 | 10 @10½ | 24 | 26 |
| 19 | 15 | 14½ | 24 @25 | 26½@27 | 13½@14 | 10 @10½ | 25 | 26 |
| 26 | 15 | 14½ | 24½@25 | 27 @28 | 13½@14 | 10 @10½ | 25 | 22 |

## PRICES OF BUTTERINE.

Prices of Butterine, at Cincinnati, for the year 1905, ranged as follows:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| January | 11½@15 | April | 11½@15 | July | 11½@15 | October | 11½@15 |
| February | 11½@15 | May | 11½@15 | August | 11½@15 | November | 11½@15 |
| March | 11½@15 | June | 11½@15 | September | 11½@15 | December | 11½@15 |

## PRICES OF APPLES, ORANGES, LEMONS AND POTATOES.

Quotations for Green Apples (choice), per barrel; Oranges (choice), per box; Lemons (choice), per box; Potatoes, per bushel, at Cincinnati, each week:

| DATES. | | GREEN APPLES. | | ORANGES. | | LEMONS. | | POTATOES. | |
|---|---|---|---|---|---|---|---|---|---|
| | | 1905 | 1904 | 1905 | 1904 | 1905 | 1904 | 1905 | 1904 |
| January | 3.... | $2 25@2 50 | $2 75@3 00 | $1 60@2 25 | $1 60@2 40 | $1 60@2 75 | $2 20@3 25 | 38 @ 40 | 65 @ 70 |
| | 10.... | 2 25@2 50 | 2 75@3 00 | 1 40@2 25 | 1 40@2 80 | 1 60@2 50 | 1 50@2 75 | 38 @ 40 | 78 @ 80 |
| | 17.... | 2 25@2 50 | 2 75@3 00 | 1 40@2 25 | 1 50@3 00 | 1 60@2 50 | 1 50@3 00 | 38 @ 40 | 78 @ 80 |
| | 24.... | 1 75@2 00 | 2 75@3 00 | 2 15@2 25 | 1 00@3 00 | 1 60@3 00 | 2 00@3 25 | 40 @ 42 | 85 |
| | 31.... | 1 75@2 00 | 3 00@3 50 | 2 00@2 40 | 1 25@3 00 | 2 25@3 00 | 1 50@3 00 | 40 @ 42 | 95 |
| February | 7.... | 2 25@2 50 | 3 00@3 25 | 2 00@2 40 | 1 25@3 00 | 2 25@3 00 | 1 50@3 00 | 35 @ 38 | 93 @ 95 |
| | 14.... | 2 25@2 50 | 3 00@3 25 | 2 00@2 40 | 1 25@3 00 | 2 25@3 00 | 1 50@3 00 | 35 @ 38 | 93 @ 95 |
| | 21.... | 2 25@2 50 | 3 25@3 50 | 2 00@2 50 | 1 25@3 00 | 2 25@2 40 | 1 50@3 00 | 35 @ 38 | 90 @ 93 |
| | 28.... | 2 25@2 50 | 3 25@3 50 | 2 00@2 50 | 1 25@3 25 | 2 25@2 50 | 2 75@3 00 | 40 @ 43 | 95 @ 98 |
| March | 7.... | 2 25@2 50 | 3 00@3 25 | 1 75@2 50 | 1 25@3 25 | 2 25@2 50 | 3 00@3 25 | 38 @ 40 | 1 00 @1 05 |
| | 14.... | 2 50@2 75 | 2 00@2 50 | 1 75@2 50 | 1 25@3 25 | 2 25@2 50 | 3 00@3 25 | 33 @ 35 | 93 @1 40 |
| | 21.... | 2 25@2 75 | 2 00@2 50 | 1 15@2 50 | 1 25@3 25 | 1 65@2 50 | 2 75@3 25 | 25 @ 30 | 93 @1 50 |
| | 28.... | 2 25@2 50 | 2 00@2 50 | 1 15@2 50 | 1 25@3 25 | 1 65@2 50 | 2 75@3 25 | 25 @ 30 | 98 @1 50 |
| April | 4.... | 2 25@2 50 | 2 00@2 50 | 1 75@2 50 | 1 25@3 25 | 1 65@2 50 | 2 75@3 25 | 25 @ 30 | 1 20 @1 50 |
| | 11.... | 2 50@2 75 | 2 00@2 50 | 2 50@3 00 | 1 25@3 25 | 1 40@2 50 | 2 75@3 25 | 25 @ 30 | 1 20 @1 25 |
| | 18.... | 2 50@2 75 | 2 00@2 50 | 2 50@3 50 | 1 25@3 25 | 1 35@2 75 | 2 75@3 25 | 25 @ 30 | 1 25 @1 30 |
| | 25.... | 2 50@2 75 | 2 00@2 50 | 2 50@3 50 | 1 75@4 00 | 1 35@2 75 | 2 00@3 00 | 30 @ 32 | 1 25 @1 60 |
| May | 2.... | 2 50@3 00 | 2 00@2 50 | 1 75@3 50 | 1 75@4 00 | 1 00@2 75 | 2 00@3 00 | 28 @ 32 | 1 15 @1 60 |
| | 9.... | 2 75@3 00 | 2 00@2 50 | 1 75@3 50 | 1 75@4 00 | 1 00@2 75 | 2 00@3 00 | 25 @ 28 | 1 10 @1 15 |
| | 16.... | 2 75@3 00 | 2 00@2 50 | 1 20@3 00 | 2 00@4 00 | 1 70@2 50 | 2 00@3 00 | 25 @ 27 | 1 10 @1 15 |
| | 23.... | 2 75@3 00 | 2 00@2 50 | 1 50@3 50 | 2 75@4 00 | 2 00@2 75 | 2 00@3 00 | 25 | 1 10 @1 15 |
| | 30.... | 2 75@3 00 | 2 00@2 50 | 2 50@3 50 | 2 75@4 00 | 2 00@2 75 | 2 00@3 00 | 25 @ 30 | 1 10 @1 15 |
| June | 6.... | 2 75@3 50 | 2 00@2 50 | 2 50@3 50 | 2 50@3 50 | 2 00@2 75 | 1 60@3 50 | 25 | 1 30 |
| | 13.... | 2 75@3 50 | 2 00@2 50 | 2 50@3 50 | 2 50@3 50 | 2 00@2 75 | 1 90@3 50 | 25 | 1 25 @1 50 |
| | 20.... | 2 75@3 50 | 2 00@2 50 | 2 50@3 50 | 2 50@3 50 | 2 00@2 75 | 1 90@3 50 | 30 | 1 25 @1 40 |
| | 27.... | 2 50@3 00 | 4 00@4 25 | 2 50@4 50 | 2 50@3 50 | 3 50@5 00 | 1 90@3 50 | 50 @ 60 | 90 @1 00 |
| July | 4.... | 2 50@3 00 | 3 75@4 00 | 2 50@4 50 | 2 50@2 75 | 3 50@5 00 | 1 00@3 50 | 50 @ 60 | 85 @ 90 |
| | 11.... | 3 50@4 00 | 3 75@4 00 | 2 50@3 50 | 2 75@3 00 | 3 50@5 00 | 1 00@3 50 | 45 @ 55 | 65 @ 70 |
| | 18.... | 3 00@3 50 | 1 50@2 25 | 2 50@4 50 | 1 00@3 00 | 3 50@5 00 | 1 00@3 50 | 45 @ 55 | 65 |
| | 25.... | 2 75@3 00 | 1 50@2 00 | 2 50@4 50 | 3 00 | 3 50@5 00 | 1 25@3 50 | 45 @ 55 | 65 |
| August | 1.... | 3 00@3 50 | 1 50@2 00 | 4 75@5 25 | 3 00 | 5 00@7 50 | 2 00@3 00 | 45 @ 55 | 50 @ 55 |
| | 8.... | 3 00@3 25 | 1 50@2 00 | 4 75@5 25 | 3 00 | 5 00@7 50 | 2 00@3 00 | 45 @ 55 | 55 @ 60 |
| | 15.... | 3 25@3 50 | 1 50@2 00 | 4 75@5 25 | 3 50 | 5 00@7 50 | 1 00@3 50 | 45 @ 55 | 60 @ 65 |
| | 22.... | 3 25@3 50 | 1 50@2 00 | 4 75@5 25 | 3 50 | 5 00@7 50 | 1 00@3 50 | 45 @ 50 | 65 @ 70 |
| | 29.... | 3 25@3 50 | 1 00@1 50 | 4 75@5 25 | 3 50 | 5 00@7 50 | 1 50@3 25 | 45 @ 50 | 45 @ 50 |
| September | 5.... | 3 50@4 00 | 1 00@1 50 | 4 50@5 50 | 3 50 | 7 00@8 00 | 1 50@3 25 | 45 @ 50 | 45 @ 50 |
| | 12.... | 3 50@4 00 | 1 25@1 40 | 5 00@5 50 | 3 50 | 6 50@7 50 | 1 50@3 25 | 50 @ 55 | 53 @ 55 |
| | 19.... | 3 00@3 50 | 1 00@1 40 | 5 00@5 50 | 3 50 | 6 50@7 50 | 1 50@3 25 | 43 @ 45 | 50 @ 55 |
| | 26.... | 3 00@3 50 | 1 25@1 75 | 5 00@5 50 | 3 50 | 6 50@7 50 | 1 50@3 25 | 45 @ 47 | 45 @ 47 |
| October | 3.... | 3 50@4 00 | 1 25@1 75 | 5 00@5 50 | 3 50 | 6 50@7 50 | 1 50@3 25 | 50 @ 55 | 35 @ 42 |
| | 10.... | 3 50@4 00 | 1 25@1 75 | 5 00@5 50 | 2 75@3 00 | 4 50@6 00 | 3 25@4 00 | 55 @ 60 | 45 @ 50 |
| | 17.... | 3 50@4 00 | 1 25@1 75 | 5 00@5 50 | 2 75@3 00 | 4 50@6 00 | 3 25@4 00 | 53 @ 55 | 40 @ 45 |
| | 24.... | 3 50@4 00 | 1 25@2 00 | 3 00@5 50 | 2 50@2 75 | 3 50@7 00 | 3 50@4 00 | 52 @ 55 | 45 @ 50 |
| | 31.... | 3 50@4 00 | 1 25@2 00 | 3 00@5 50 | 2 50@2 65 | 3 50@7 00 | 3 50@4 00 | 65 @ 75 | 40 @ 45 |
| November | 7.... | 3 50@4 00 | 1 25@2 00 | 3 00@5 50 | 2 50@2 65 | 3 50@7 00 | 3 50@4 00 | 65 @ 70 | 40 @ 48 |
| | 14.... | 3 50@4 00 | 2 25@2 50 | 2 40@2 60 | 2 50@2 65 | 4 25@5 00 | 3 50@4 00 | 60 @ 65 | 45 @ 48 |
| | 21.... | 3 50@4 00 | 2 25@2 50 | 2 20@2 50 | 2 25@2 40 | 3 75@5 00 | 3 00@3 75 | 60 @ 65 | 45 @ 48 |
| | 28.... | 3 50@4 00 | 2 25@2 50 | 2 20@2 50 | 2 25@2 40 | 3 00@5 00 | 3 00@3 75 | 60 @ 65 | 45 @ 47 |
| December | 5.... | 3 75@4 00 | 2 25@2 50 | 2 25@2 60 | 2 25@2 40 | 3 00@4 50 | 3 00@3 75 | 60 @ 80 | 43 @ 45 |
| | 12.... | 3 75@4 00 | 2 25@2 50 | 1 80@2 50 | 2 25@2 40 | 2 75@4 00 | 3 00@3 75 | 55 @ 60 | 40 @ 43 |
| | 19.... | 3 75@4 00 | 2 25@2 50 | 1 80@2 50 | 2 20@2 25 | 2 75@4 00 | 1 65@3 75 | 55 @ 60 | 40 @ 43 |
| | 26.... | 3 75@4 00 | 2 25@2 50 | 2 25@3 00 | 1 60@2 25 | 2 75@4 00 | 1 60@2 75 | 55 @ 60 | 38 @ 40 |
| | | ... ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

## POTATO CROPS OF THE UNITED STATES.

Estimated yearly production of Potatoes in the United States, in bushels:

| | | | |
|---|---|---|---|
| 1886..... 168,051,000 | 1891..... 254,427,000 | 1896..... 252,235,000 | 1901..... 187,598,000 |
| 1887..... 134,103,000 | 1892..... 156,655,000 | 1897..... 164,016,000 | 1902..... 284,633,000 |
| 1888..... 202,365,000 | 1893..... 183,034,000 | 1898..... 192,306,000 | 1903..... 247,128,000 |
| 1889..... 204,990,000 | 1894..... 170,787,000 | 1899..... 228,783,000 | 1904..... 332,830,000 |
| 1890..... 148,079,000 | 1895..... 297,237,000 | 1900..... 210,927,000 | 1905..... 260,741,000 |

## PRICES OF COFFEE AND SUGAR.

Quotations for Fair Rio Coffee, Off A and Hards Sugar, per pound, at Cincinnati, on Tuesday of each week:

| DATES. | | FAIR RIO COFFEE. | | OFF A SUGAR. | | HARDS SUGAR. | |
|---|---|---|---|---|---|---|---|
| | | 1905 | 1904 | 1905 | 1904 | 1905 | 1904 |
| January | 3 | 10 7/8 | 9 7/8 | 5.93@6.03 | 4.63@4.73 | 6.28@6.98 | 4.98@5.58 |
| | 10 | 10 7/8 | 9 7/8 | 6.03@6.13 | 4.63@4.73 | 6.38@7.08 | 4.98@5.58 |
| | 17 | 10 7/8 | 9 7/8 | 6.13@6.23 | 4.63@4.73 | 6.48@7.18 | 4.98@5.58 |
| | 24 | 10 7/8 | 10 5/8 | 6.23@6.33 | 4 58@4.68 | 6.58@7.28 | 4.93@5.53 |
| | 31 | 10 7/8 | 11 | 6 23@6.33 | 4.63@4.73 | 6.58@7.28 | 4.98@5.58 |
| February | 7 | 10 1/2 | 10 | 5.93@6.13 | 4.63@4.73 | 6.48@7.18 | 4.98@5 58 |
| | 14 | 10 1/2 | 10 | 5.83@6.03 | 4.63@4.73 | 6.38@7.08 | 4.98@5.58 |
| | 21 | 10 1/2 | 9 5/8 | 5.83@6.03 | 4.63@4.73 | 6.38@7.08 | 4 98@5.58 |
| | 28 | 10 1/8 | 9 1/4 | 5.83@6.03 | 4.73@4.83 | 6.38@7.08 | 5.08@5.68 |
| March | 7 | 9 3/4 | 9 1/4 | 5.83@6.03 | 4.73@4.88 | 6.38@7 08 | 5.13@5.73 |
| | 14 | 9 3/4 | 9 1/4 | 5.83@6.03 | 4 78@4.93 | 6.38@7.08 | 5.18@5.78 |
| | 21 | 9 3/4 | 9 | 5.83@6.03 | 4.78@4.93 | 6.38@7.08 | 5.18@5.78 |
| | 28 | 9 3/4 | 9 | 5.83@6.03 | 4.83@4.98 | 6.38@7.08 | 5.23@5.83 |
| April | 4 | 9 3/4 | 9 | 5.93@6.13 | 4.83@4.98 | 6.48@7.18 | 5.23@5.83 |
| | 11 | 9 3/4 | 9 1/4 | 5.93@6.13 | 4.83@4.98 | 6.48@7.18 | 5.23@5.33 |
| | 18 | 9 3/4 | 9 1/4 | 5.93@6.13 | 4.83@4.98 | 6.48@7.18 | 5.23@5.83 |
| | 25 | 9 3/4 | 9 1/4 | 5.93@6.13 | 4.83@4.98 | 6.48@7.18 | 5.23@5.83 |
| May | 2 | 9 3/4 | 9 1/4 | 5.93@6.13 | 4.88@5.03 | 6.48@7.18 | 5.28@5.88 |
| | 9 | 10 | 9 | 5.93@6.13 | 4 93@5.08 | 6.48@7.18 | 5.33@5.93 |
| | 16 | 10 | 9 | 5.63@5.83 | 4 98@5.13 | 6.18@6.88 | 5.38@5.98 |
| | 23 | 10 | 9 | 5.63@5.83 | 5.03@5.18 | 6.18@6.88 | 5.43@6.03 |
| | 30 | 10 | 9 | 5.63@5.83 | 5.08@5.23 | 6.18@6.88 | 5.48@6.08 |
| June | 6 | 10 | 9 | 5 63@5 83 | 5.03@5.18 | 6.18@6.88 | 5.43@6.03 |
| | 13 | 9 3/4 | 9 | 5.63@5.83 | 5 03@5.18 | 6.18@6.88 | 5.43@6.03 |
| | 20 | 9 3/4 | 9 | 5.63@5.83 | 5 03@5.18 | 6.18@6.88 | 5.43@6.03 |
| | 27 | 9 3/4 | 9 | 5.28@5.48 | 5.13@5.28 | 5.83@6.53 | 5.53@6.13 |
| July | 4 | 9 3/4 | 9 | 5.28@5.48 | 4.93@5 03 | 5.83@6.53 | 5.28@5.98 |
| | 11 | 9 3/8 | 9 | 5.28@5.48 | 5.08@5.18 | 5.83@6.53 | 5.43@6.13 |
| | 18 | 9 7/8 | 9 1/8 | 5.08@5.28 | 5.08@5.18 | 5.63@6.33 | 5.43@6.13 |
| | 25 | 9 7/8 | 9 1/8 | 5.08@5.28 | 5.13@5.23 | 5.63@6.33 | 5.48@6.18 |
| August | 1 | 10 1/4 | 9 1/4 | 5.18@5.38 | 5.13@5.23 | 5.73@6.43 | 5.48@6.18 |
| | 8 | 10 1/2 | 9 5/8 | 5.18@5.38 | 5.28@5.38 | 5.73@6.43 | 5.63@6.33 |
| | 15 | 10 1/2 | 9 7/8 | 5.18@5.38 | 5.28@5.38 | 5.73@6.43 | 5.63@6 33 |
| | 22 | 10 3/4 | 9 7/8 | 5 18@5.38 | 5 28@5.38 | 5.73@6.43 | 5.63@6.33 |
| | 29 | 10 3/4 | 9 7/8 | 5.18@5.38 | 5 28@5.38 | 5.73@6.43 | 5.63@6.33 |
| September | 5 | 10 3/4 | 9 7/8 | 5 18@5.38 | 5 33@5.43 | 5.73@6,43 | 5.68@6 38 |
| | 12 | 10 3/4 | 9 7/8 | 5.18@5 38 | 5.33@5.43 | 5.73@6 43 | 5 68@6.38 |
| | 19 | 10 3/4 | 10 | 4.88@5.08 | 5.33@5.43 | 5.43@6.13 | 5.68@6.38 |
| | 26 | 10 3/4 | 10 | 4.88@5.08 | 5.33@5.43 | 5.43@6.13 | 5.68@6.38 |
| October | 3 | 10 3/4 | 10 | 4.68@4.88 | 5.33@5.43 | 5.23@5.93 | 5 68@6.38 |
| | 10 | 10 3/4 | 10 | 4.58@4.78 | 5.13@5.23 | 5.13@5.83 | 5.48@6.18 |
| | 17 | 10 3/4 | 10 | 4.58@4.78 | 5.03@5.13 | 5.13@5.83 | 5.38@6.08 |
| | 24 | 10 1/4 | 10 | 4.48@4 68 | 5.08@5.18 | 5.03@5.73 | 5.43@6.13 |
| | 31 | 10 1/8 | 10 | 4.45@4.65 | 5.28@5.38 | 5.00@5.73 | 5.63@6.33 |
| November | 7 | 10 1/8 | 10 | 4.35@4.55 | 5.38@5.48 | 4.90@5.63 | 5.73@6.43 |
| | 14 | 10 1/2 | 10 | 4.35@4.55 | 5.53@5.63 | 4.90@5.63 | 5.88@6.58 |
| | 21 | 10 1/8 | 10 | 4.45@4.65 | 5.53@5.63 | 5.00@5.73 | 5.88@6.58 |
| | 28 | 10 | 10 | 4.45@4.65 | 5.53@5.63 | 5.00@5.73 | 5.88@6.58 |
| December | 5 | 10 | 10 | 4.45@4.65 | 5.53@5.63 | 5.00@5.73 | 5.88@6.58 |
| | 12 | 10 | 10 | 4.45@4.65 | 5.73@5.83 | 5.00@5.73 | 6.08@6.78 |
| | 19 | 9 3/4 | 10 3/8 | 4.45@4.65 | 5.73@5.83 | 5 00@5.73 | 6.08@6.78 |
| | 26 | 9 3/4 | 10 7/8 | 4.45@4.65 | 5.73@5.83 | 5.00@5.73 | 6.08@6.78 |
| | | ..... | ..... | ..... | ..... | ..... | ..... |

## PRICES OF MOLASSES.

Quotations for Prime to Strict Prime New Orleans Molasses, per gallon, at Cincinnati, monthly, in 1905:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| January | 30@33 | April | 29@32 | July | 29@32 | October | 27@32 |
| February | 30@33 | May | 29@32 | August | 29@32 | November | 27@30 |
| March | 29@33 | June | 29@32 | September | 29@32 | December | 27@35 |

## PRICES OF COFFEE.

Prices of the various kinds of Coffee, per pound, at Cincinnati, at the close of December, as indicated:

| GRADES. | 1905 | 1904 | 1903 | 1902 | 1901 | 1900 |
|---|---|---|---|---|---|---|
| Rio, prime | 10¼ | 11⅜ | 10⅜ | 8⅝ | 10¼ | 9½ |
| Rio, good | 10 | 11⅛ | 10⅛ | 8⅜ | 10 | 9¼ |
| Rio, fair | 9¾ | 10⅞ | 9⅞ | 8⅛ | 9¾ | 9 |
| Rio, low fair | 9½ | 10⅜ | 9⅜ | 7⅝ | 9¼ | 8⅝ |
| Rio, good ordinary | 9¼ | 10⅛ | 9 | 7⅛ | 8¾ | 8⅜ |
| Rio, ordinary | 9⅛ | 10 | 8⅝ | 6¾ | 8¼ | 8 |
| Rio, low ordinary | 9 | 9⅞ | 8¼ | 6¼ | 7¾ | 7¾ |
| Rio, strict good common | 8⅞ | 9⅝ | 7⅞ | 5⅞ | 7⅜ | 7½ |
| Rio, good common | 8¾ | 9⅜ | 7⅝ | 5⅝ | 7⅛ | 7¼ |
| Rio, common | 8⅝ | 8¼ | 7⅜ | ... | 6⅞ | 7 |
| Java, Government | 22 | 22 | 22 @30 | 18 @30 | 18 @30 | 18 @33 |
| Mocha | 17 | 17 | 17 @22 | 16½@19 | 18½@20 | 18 @20 |

NOTE.—The average annual consumption of Coffee in the United States for ten years ending June 30, 1904, was 10.63 pounds per capita; of Tea, 1.20 pounds; of Sugar, 66.75 pounds. The total importation of Coffee for the year ending June 30, 1905, was 1,047,793,000 pounds; for the preceding year, 995,043,000 pounds. About 76 per cent of the arrivals for the two years came from Brazil, 24 per cent from other South American countries, Central America, and other sources.

## TEMPERATURE RECORDS AT CINCINNATI.

Maximum and minimum records of Temperature, at Cincinnati, the annual mean and annual range, and greatest daily range, in degrees Fah., as prepared for the Chamber of Commerce from records of the Weather Bureau, by S. S. BASSLER, Local Forecaster:

| YEARS. | Maximum. | DATES. | Minimum. | DATES. | Mean. | Range. | Greatest Daily Range. |
|---|---|---|---|---|---|---|---|
| 1877 | 92 | Jun.18,Jul.8,15. | — 4 | January 9. | 56.2 | 96 | 31 |
| 1878 | 96 | July 11, 17, 18. | — 1 | December 24. | 57.0 | 97 | 36 |
| 1879 | 98 | July 11, 16. | —10 | January 3. | 56.2 | 108 | 41 |
| 1880 | 96 | July 13. | — 5 | Dec. 29, 30. | 56.8 | 101 | 32 |
| 1881 | 104 | July 10. | 2 | January 1. | 57.7 | 102 | 31 |
| 1882 | 96 | June 25. | 1 | December 8. | 56.9 | 95 | 36 |
| 1883 | 94 | July 22. | 6 | January 22. | 55.3 | 88 | 36 |
| 1884 | 93 | June 22. | —10 | January 5. | 56.0 | 103 | 37 |
| 1885 | 97 | July 20. | —10 | Feb. 11, 12. | 51.0 | 107 | 37 |
| 1886 | 95 | July 29. | —12 | January 11. | 52.5 | 107 | 36 |
| 1887 | 101 | July 18. | — 5 | January 3. | 55.3 | 106 | 44 |
| 1888 | 97 | August 3. | 6 | February 27. | 53.4 | 91 | 38 |
| 1889 | 92 | July 9, Sept. 1. | 6 | February 23. | 54.8 | 86 | 38 |
| 1890 | 96 | June 28. | 7 | March 6. | 56.4 | 89 | 39 |
| 1891 | 92 | August 9. | 4 | February 4. | 54.7 | 88 | 38 |
| 1892 | 98 | July 24. | 2 | December 27. | 53.3 | 96 | 34 |
| 1893 | 95 | July 30. | —11 | January 15. | 53.7 | 106 | 34 |
| 1894 | 96 | August 9. | — 4 | January 25. | 56.1 | 100 | 35 |
| 1895 | 97 | June 3. | —12 | February 8. | 53.6 | 109 | 43 |
| 1896 | 96 | August 6. | — 2 | February 20. | 55.6 | 98 | 37 |
| 1897 | 98 | July 4. | —10 | January 25. | 55.3 | 108 | 38 |
| 1898 | 98 | July 3. | 1 | February 3. | 55.9 | 97 | 41 |
| 1899 | 99 | September 6. | —17 | February 9. | 55.0 | 116 | 34 |
| 1900 | 97 | September 10. | — 5 | February 25. | 56.0 | 102 | 41 |
| 1901 | 105 | July 22. | — 7 | December 15. | 54.0 | 112 | 47 |
| 1902 | 96 | July 17. | 0 | February 3. | 55.0 | 96 | 36 |
| 1903 | 96 | July 10. | — 1 | February 17. | 54.3 | 97 | 38 |
| 1904 | 94 | July 17, Aug. 25 | 0 | February 16. | 53.0 | 94 | 47 |
| 1905 | 94 | June 19. | — 5 | February 13. | 54.0 | 99 | 38 |

Mark (—) as indicated, means below zero.

## PRICES OF SUGAR AND MOLASSES.

Prices of the various kinds of Sugar, per pound, and of Molasses and Syrups, per gallon, at Cincinnati, at the close of December:

| SUGAR. | | | MOLASSES. | | |
|---|---|---|---|---|---|
| KINDS. | 1905 | 1904 | KINDS. | 1905 | 1904 |
| New Orleans: | | | New Orleans—Open Kettle: | | |
| Clarified, white | 4.25@4.50 | 4.45@4.57½ | Choice to fancy | 35@42 | 34@40 |
| Yellow | 4.00@4.25 | 4.20@4.40 | Prime to strict prime | 32@35 | 30@33 |
| " common | 3.50@4.00 | 3.00@3.70 | Fair to prime | 27@32 | 28@30 |
| Refined: | | | New Orleans - Centrifugals: | | |
| Cubes | 5.28 | 6.43 | Choice to fancy | 18@23 | 20@25 |
| Powdered | 5.13 | 6.28 | Prime to strict prime | 14@17 | 16@19 |
| Granulated | 5.00 | 6.18 | Common to prime | 12@13 | 14@15 |
| "Off A" | 4.45@4.65 | 5.83@5 93 | Sorghum: | | |
| Extra "C" | 4.15@4.25 | 5.43@5.58 | Prime to choice | 24@25 | 32@33 |
| Yellow | 4.05@4.10 | 5.33@5.38 | Fair to good | 23@24 | 31@32 |

## LOW AND HIGH PRICES OF PIG IRON.

Lowest and highest quotations of No. 2 Southern Coke Foundry Iron, per ton, at Cincinnati, for years indicated:

| YEARS. | LOWEST. | | HIGHEST. | |
|---|---|---|---|---|
| | Quotations. | Months. | Quotations. | Months. |
| 1896 | $ 9 25@ 9 75 | September | $11 50 | January. |
| 1897 | 8 50@ 8 75 | June | 10 00@10 25 | January. |
| 1898 | 9 25@ 9 50 | July, August | 9 75@10 25 | December. |
| 1899 | 10 25@10 50 | January | 20 75@21 75 | October. |
| 1900 | 12 50@14 00 | October | 20 75@21 75 | January. |
| 1901 | 13 00@13 25 | August | 14 00@14 75 | December. |
| 1902 | 14 25@15 00 | January | 24 00@26 25 | October. |
| 1903 | 12 00@12 50 | December | 21 75@22 75 | January. |
| 1904 | 11 75@12 25 | July | 16 25@16 75 | December. |
| 1905 | 13 75@14 75 | July | 16 75@17 25 | December. |

Lowest and highest quotations of No. 1 Hanging Rock Charcoal Iron, per ton, at Cincinnati, for years indicated:

| YEARS. | LOWEST. | | HIGHEST. | |
|---|---|---|---|---|
| | Quotations. | Months. | Quotations. | Months. |
| 1896 | $15 00@16 00 | November, December | $16 00@17 00 | May, June. |
| 1897 | 14 25@15 50 | September to December, inclusive | 15 00@16 25 | January. |
| 1898 | 14 00@15 50 | June, July | 14 50@15 50 | Jan. to May, and Aug. to Dec., inc. |
| 1899 | 15 00@16 00 | January | 24 00@26 00 | November, December. |
| 1900 | 20 00@21 00 | October, November, December | 26 00@27 00 | May. |
| 1901 | 19 50@20 00 | February | 20 00@21 50 | December. |
| 1902 | 20 50@21 50 | January | 36 00@37 00 | September, October. |
| 1903 | 24 15@25 15 | October, November, December | 32 15@34 15 | January, February. |
| 1904 | 22 15@22 65 | March to August | 23 65@24 65 | December. |
| 1905 | 23 65@26 65 | January to September | 26 65@27 15 | November, December. |

NOTE.—Elsewhere in this report will be found comparative monthly and yearly average prices of Pig Iron, at Cincinnati, covering a period of twenty years.

## PRICES OF SOAP AND OILS.

Prices of leading kinds of Soap, at Cincinnati, at the close of December:

| KINDS. | 1905 | 1904 | 1903 | 1902 | 1901 |
|---|---|---|---|---|---|
| German, per box (60 lbs.).. | $2 40 @2 45 | $2 40 @2 45 | $2 65 @2 70 | $2 65 @2 70 | $2 55 @2 60 |
| Oleine, " (60 lbs.).. | 2 35 | 2 40 @2 45 | 2 50 @2 55 | 2 70 @2 75 | 2 60 @2 65 |
| Family, " (60 lbs.).. | 2 30 @2 35 | 2 30 @2 35 | 2 40 @2 45 | 2 40 @2 45 | 2 40 @2 45 |
| Castile, mottled, per lb. ..... | 7½@ 8½ | 7½@ 8½ | 7½@ 8½ | 7½@ 8½ | 7½@ 8½ |
| Castile, white, " ..... | 12½ | 12½ | 12½ | 12½ | 12½ |
| Extra Olive, per box (60 lbs.) | 2 30 @2 35 | 2 30 @2 35 | 2 40 @2 45 | 2 40 @2 45 | 2 40 @2 45 |
| Lenox, " (75 lbs.) | 2 80 @2 85 | 2 80 @2 85 | 3 05 @3 10 | 3 05 @3 10 | 3 15 @3 20 |
| Town Talk, " (62½ lbs.) | 2 35 | 2 30 @2 35 | 2 45 @2 50 | 2 40 @2 45 | 2 45 @2 50 |
| Ivory, " (62½ lbs.) | 6 70 @6 75 | 6 70 @6 75 | 6 70 @6 75 | 6 70 @6 75 | 6 70 @6 75 |

Prices of Oils under the head of Petroleum, per gallon, which are quoted by the Chamber of Commerce, at Cincinnati, at the close of December, as indicated:

| KINDS. | 1905 | 1904 | 1903 | 1902 | 1901 | 1900 | 1899 |
|---|---|---|---|---|---|---|---|
| Carbon Oil, 120° flash test..... | 9½ | 10 | 12½ | 10 | 8½ | 7½@ 8 | 8@ 8½ |
| " 150° W. W..... | 10½ | 11 | 13½ | 11 | 10 | 8½@ 9 | 9@ 9½ |
| " H. L., 175° fire test..... | 11½ | 12 | 14½ | 15 | 11 | 9½@10 | 10@10½ |
| West Virginia, 28° gravity..... | 17 | 17 | 17 | 17 | 23 @ 26 | 22 @25 | 22@25 |
| " " 29° " ..... | 19 | 19 | 19 | 19 | 21 @ 26 | 20 @25 | 20@23 |

## PRICES OF COTTON WARPS, ETC.

Prices of Warps, Wicking, Twine, Rope, Batting and Wadding, at Cincinnati, at the close of December, for years indicated:

| STOCK. | 1905 | 1904 | 1903 | STOCK. | 1905 | 1904 | 1903 |
|---|---|---|---|---|---|---|---|
| Carpet Warps, white, per lb..... | 20 | 18 | 21 | Rope, 3-16 to 6-16 inch, fine thread, per lb... | 17 | 15 | 15@18 |
| Carpet Warps, colored, per lb..... | 22 | 20 | 23 | Batting, per lb ..... | 9@17 | 8@15 | 10@17 |
| Candle Wicking, per lb | 14@22 | 12@20 | 18@23 | Wadding, black, 2 lbs., per doz..... | 30@40 | 25@35 | 30@35 |
| Twine, Argonaut, per lb..... | 21 | 18 | 23 | Wadding, black, 1 lb., per doz..... | 24@34 | 22@32 | 20@27 |

NOTE.—Above prices based on sixty days' time; 2 per cent off if paid in ten days.

## PRICES OF PAPER.

Wholesale quotations for Paper, per pound, in large lots, at Cincinnati, at the close of December, for two years:

| KINDS. | 1905 | 1904 | KINDS. | 1905 | 1904 |
|---|---|---|---|---|---|
| Book, sized and super calendered | 4¼@4¾ | 4¼@4¾ | Wrapping, rag ..... | 1½@ 1¾ | 1½@ 1¾ |
| Book, sized and calendered..... | 4 @4½ | 4 @4½ | Wrapping, straw..... | 1¼@ 1½ | 1¼@ 1½ |
| Book, No. 3..... | 3¼@3¾ | 3¼@3¾ | Writing, fine..... | 6½@ 8 | 6½@ 8 |
| Manilla, No. 1..... | 3 @3½ | 3 @3½ | Writing, superfine..... | 10 @15 | 10 @15 |
| Manilla, No. 2..... | 2 @2¼ | 2 @2¼ | Writing, manilla..... | 3¾@ 4¾ | 3¾@4¾ |
| News, print..... | 2¾@3 | 2¾@3 | | | |

## PRICES OF LUMBER.

Prices of the various grades of White and Yellow Pine Lumber, per 1,000 feet, large lots, at Cincinnati, at the close of December, as indicated:

| KINDS. | 1905 | 1904 | KINDS. | 1905 | 1904 |
|---|---|---|---|---|---|
| WHITE PINE. | | | YELLOW PINE—FLOORING. | | |
| First and second clear | $90 00 | $90 00 | First and second clear | $22 50 | $22 50 |
| Third clear | 80 00 | 80 00 | B Grade or standard | 20 00 | 20 00 |
| Selects | 75 00 | 75 00 | C Grade or No. 1 Common | 18 00 | 18 00 |
| First common | 65 00 | 65 00 | No. 2 Common | 16 00 | 16 00 |
| Second common | 55 00 | 55 00 | SHINGLES. | | |
| Shop | 50 00 | 50 00 | | | |
| Third common | 27 50 | 27 50 | XXXX Pine, 18 inches | 4 50 | 4 50 |
| Fourth common | 25 00 | 25 00 | Clear butt pine | 4 25 | 4 25 |
| Boxing | 22 50 | 22 50 | Cypress | 4 50 | 4 50 |
| Piece stuff, No. 1 | 20 00 | 20 00 | Prime | 3 50 | 3 50 |

Prices of Hard Lumber, per 1,000 feet, at Cincinnati, at the close of December

| KINDS. | *1905 | 1904 | 1903 | 1902 | 1901 | 1900 | 1899 |
|---|---|---|---|---|---|---|---|
| Ash | $15 00@ 40 00 | $28 00@32 00 | $32 50@ 50 00 | $32 50@ 50 00 | $32 50@ 40 00 | $30 00@ 37 00 | $30 00@ 37 00 |
| Cherry | 25 00@ 80 00 | 50 00@70 00 | 75 00@100 00 | 75 00@100 00 | 75 00@100 00 | 75 00@100 00 | 75 00@100 00 |
| Elm | 10 00@ 20 00 | 10 00@18 00 | 15 00@ 25 00 | 15 00@ 25 00 | 15 00@ 25 00 | 15 00@ 25 00 | 15 00@ 25 00 |
| Gum | 14 00@ 35 00 | 15 00@25 00 | 20 00@ 28 00 | 20 00@ 28 00 | 20 00@ 28 00 | 20 00@ 28 00 | 20 00@ 28 00 |
| Hickory | 20 00@ 40 00 | 25 00@40 00 | 32 00@ 45 00 | 32 00@ 45 00 | 30 00@ 35 00 | 30 00@ 35 00 | 30 00@ 35 00 |
| Oak, plain | 18 00@ 45 00 | 28 00@35 00 | 32 00@ 45 00 | 32 00@ 45 00 | 32 00@ 38 00 | 28 50@ 35 00 | 28 50@ 35 00 |
| Oak, quartered | 24 00@ 70 00 | 40 00@60 00 | 32 50@ 75 00 | 32 50@ 75 00 | 32 50@ 55 00 | 32 50@ 55 00 | 32 50@ 55 00 |
| Poplar | 12 00@ 50 00 | 30 00@50 00 | 32 50@ 50 00 | 32 50@ 50 00 | 22 00@ 35 00 | 22 00@ 35 00 | 22 00@ 35 00 |
| Sycamore | 15 00@ 25 00 | 18 00@30 00 | 18 00@ 30 00 | 18 00@ 30 00 | 18 00@ 30 00 | 18 00@ 30 00 | 18 00@ 30 00 |
| Walnut | 25 00@ 80 00 | 40 00@80 00 | 28 00@100 00 | 28 00@100 00 | 28 00@100 00 | 28 00@100 00 | 28 00@100 00 |

* Ranges embrace grades from culls to 1s and 2s.

## RECEIPTS OF LUMBER.

Annual receipts of Lumber, representing cars, at Cincinnati, for commercial years ending August 31, to 1891-92, and calendar years subsequently:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1890–91 | 32,400 | 1894 | 29,947 | 1898 | 40,110 | 1902 | 96,548 |
| 1891–92 | 39,500 | 1895 | 36,475 | 1899 | 54,474 | 1903 | 64,549 |
| 1892 | 40,919 | 1896 | 30,993 | 1900 | 55,232 | 1904 | 61,107 |
| 1893 | 35,314 | 1897 | 32,660 | 1901 | 73,038 | 1905 | 68,804 |

## PRICES OF BROOM CORN.

Prices of Broom Corn from store, at Cincinnati, the last of December, in years indicated:

| KINDS. | 1905 | 1904 | 1903 | 1902 | 1901 | 1900 | 1899 |
|---|---|---|---|---|---|---|---|
| Green, Hurl | 5½@6 | 4¼@4¾ | 6 @6½ | 4¾ | 5½@6 | 4½@5 | 9½@10 |
| Green, Medium | 4½@5½ | 3½@4¼ | 5½@6 | 4 @4¼ | 5 @5½ | 3½@4 | 8½@ 9 |
| Red, Pale or Mixed | 4¾@4¾ | 3 @4 | 5 @5½ | 3¼@3¾ | 4½@5 | 3 @3½ | 7½@ 8 |
| Crooked | ½ price. | ½ price. | ½ price. | ½ price. | ..... | ½ price. | ½ price. |

## COTTON CROPS OF THE UNITED STATES.

Estimated yearly production of Cotton in the United States, as indicated:

| YEARS. | Bales. | YEARS. | Bales. | YEARS. | Bales. |
|---|---|---|---|---|---|
| 1875-76 | 4,669,288 | 1885-86 | 6,550,215 | 1895-96 | 7,162,473 |
| 1876-77 | 4,485,423 | 1886-87 | 6,513,623 | 1896-97 | 8,714,011 |
| 1877-78 | 4,811,265 | 1887-88 | 7,017,707 | 1897-98 | 11,180,960 |
| 1878-79 | 5,073,531 | 1888-89 | 6,935,082 | 1898-99 | 11,235,383 |
| 1879-80 | 5,757,397 | 1889-90 | 7,313,726 | 1899-00 | 9,439,559 |
| 1880-81 | 6,589,329 | 1890-91 | 8,655,518 | 1900-01 | 10,425,141 |
| 1881-82 | 5,435,845 | 1891-92 | 9,038,707 | 1901-02 | 10,701,453 |
| 1882-83 | 6,992,234 | 1892-93 | 6,717,142 | 1902-03 | 10,758,326 |
| 1883-84 | 5,714,052 | 1893-94 | 7,527,211 | 1903-04 | 10,123,686 |
| 1884-85 | 5,669,021 | 1894-95 | 9,892,766 | 1904-05 | 13,556.841 |

NOTE.—The above represents the estimates of the *Financial Chronicle*.

## MONTHLY MOVEMENT OF COTTON.

Monthly receipts and shipments of Cotton, at Cincinnati, in bales, for years indicated:

| MONTHS. | RECEIPTS, bales. | | | | | SHIPMENTS, bales. | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1905 | 1904 | 1903 | 1902 | 1901 | 1905 | 1904 | 1903 | 1902 | 1901 |
| January | 20,794 | 26,576 | 14,356 | 41,030 | 36,883 | 18,892 | 26,777 | 13,810 | 38,601 | 38,095 |
| February | 9,826 | 24,346 | 12,369 | 16,669 | 25,278 | 7,710 | 21,667 | 7,589 | 20,152 | 23,337 |
| March | 14,276 | 13,218 | 10,230 | 27,276 | 15,640 | 10,796 | 15,234 | 8,596 | 24,540 | 14,158 |
| April | 18,101 | 4,270 | 8,385 | 14,568 | 11,846 | 14,935 | 3,559 | 5,444 | 13,913 | 11,666 |
| May | 12,316 | 4,024 | 6,139 | 6,154 | 16,967 | 11,293 | 3,561 | 6,004 | 7,569 | 13,113 |
| June | 11,678 | 3,302 | 3,376 | 4,007 | 6,978 | 8,258 | 2,807 | 4,125 | 4,139 | 7,504 |
| July | 7,074 | 2,088 | 1,410 | 5,354 | 7,698 | 5,658 | 1,622 | 1,271 | 4,706 | 9,268 |
| August | 4,624 | 2,947 | 720 | 4,452 | 2,912 | 4,910 | 2,474 | 793 | 4,245 | 2,406 |
| September | 6,018 | 3,120 | 1,897 | 4,091 | 3,152 | 3,867 | 2,512 | 1,595 | 3,957 | 2,286 |
| October | 13,152 | 11,426 | 5,485 | 16,518 | 23,045 | 11,859 | 10,700 | 4,679 | 14,487 | 19,000 |
| November | 26,824 | 21,788 | 15,383 | 20,841 | 42,759 | 21,056 | 19,753 | 13,200 | 21,038 | 37,234 |
| December | 31,323 | 31,215 | 25,767 | 18,859 | 40,808 | 30,065 | 31,089 | 24,028 | 18,390 | 34,105 |
| Totals | 176,006 | 148,320 | 103,517 | 179,819 | 233,966 | 149,299 | 141,755 | 91,134 | 175,737 | 212,172 |

## PRICES OF COTTON.

Monthly range of prices of Middling Upland Cotton, per pound, at New York, spot, fractions stated decimally:

| MONTHS. | 1905 | 1904 | 1903 | 1902 | 1901 | 1900 |
|---|---|---|---|---|---|---|
| January | 7.00@ 7.35 | 13.10@16.25 | 8.85@ 9.05 | 8.19@8.44 | 9.87@12.00 | 7.62@ 8.00 |
| February | 7.35@ 8.15 | 13.50@16.50 | 9.00@10.25 | 8.25@8.81 | 9.25@10.00 | 8.12@ 9.31 |
| March | 7.75@ 8.30 | 14.00@16.65 | 9.90@10.45 | 8.87@9.19 | 8.06@ 9.19 | 9.44@ 9.87 |
| April | 7.55@ 8.15 | 13.75@15.00 | 9.90@10.75 | 9.00@9.87 | 8.19@ 8.56 | 9.56@ 9.87 |
| May | 7.85@ 8.85 | 12 75@13.90 | 10.75@12.15 | 9.37@9.75 | 8.06@ 8.31 | 9 00@ 9.87 |
| June | 8.40@10.15 | 10.85@12.40 | 11.50@13.35 | 9.25@9.44 | 8.25@ 8.94 | 8 81@10.00 |
| July | 10.00@11.40 | 10.60@11.25 | 11.60@13.50 | 8.94@9.37 | 8.06@ 8.87 | 9.81@10.25 |
| August | 10.50@11.35 | 10.45@11.65 | 12 75 | 8.87@9.00 | 8.00@ 8.62 | 9.50@10.25 |
| September | 10.65@11.10 | 10.60@11.30 | 11.25@13.00 | 8.87@9.12 | 8.19@ 8.62 | 9.62@11.00 |
| October | 9.85@10.75 | 9.90@10.60 | 9.50@10.60 | 8.57@8.94 | 8.19@ 8.56 | 9.44@11.00 |
| November | 10.90@12.00 | 9.30@10.25 | 10.50@11.65 | 8.30@8.65 | 7.81@ 8.00 | 9.56@10.25 |
| December | 11.65@12.60 | 6.85@ 9.00 | 11.95@14.10 | 8 50@8.90 | 8.00@ 8.56 | 9.75@10.31 |
| Year | 7.00@12.60 | 6.85@16.65 | 8.85@14.10 | 8.19@9.87 | 7.81@12.00 | 7.62@11.00 |

NOTE.—Fractions are represented as follows: $\frac{1}{16}$ as .06; $\frac{1}{8}$ as .12; $\frac{3}{16}$ as .19; $\frac{1}{4}$ as .25; $\frac{5}{16}$ as .31; $\frac{3}{8}$ as .37; $\frac{7}{16}$ as .44; $\frac{1}{2}$ as .50; $\frac{9}{16}$ as .56; $\frac{5}{8}$ as .62; $\frac{11}{16}$ as .69; $\frac{3}{4}$ as .75; $\frac{13}{16}$ as .81; $\frac{7}{8}$ as .87; $\frac{15}{16}$ as .94.

## PRICES OF PIG IRON.

Prices of the various kinds of Pig Iron, per ton, at Cincinnati, at the close of December, as indicated:

| KINDS. | 1905 | 1904 | KINDS. | 1905 | 1904 |
|---|---|---|---|---|---|
| SOUTHERN COKE. | | | CHARCOAL. | | |
| No. 1 Foundry | $17 25@17 75 | $16 75@17 25 | Hanging Rock No. 1 | $26 65@27 15 | $23 65@24 65 |
| No. 2 Foundry | 16 75@17 25 | 16 25@16 75 | Jackson Co. Silvery No. 1 | 21 15@21 65 | 21 15@22 15 |
| No. 3 Foundry | 16 25@16 75 | 15 75@16 25 | | | |
| Gray Forge | 15 75@16 00 | 15 25@15 75 | CARWHEEL. | | |
| No. 1 Soft | 17 25@17 75 | 16 75@17 25 | | | |
| No. 2 Soft | 16 75@17 25 | 16 25@16 75 | Standard Alabama Carwheel | 21 25@21 75 | 19 75@20 25 |
| LAKE ORE COKE. | | | | | |
| No. 1 Lake Superior | 19 15@19 65 | 17 65@'8 15 | Lake Superior Carwheel and Malleable | 21 50@22 00 | 19 50@20 00 |
| No. 2 Lake Superior | 18 65@19 15 | 17 15@17 65 | | | |

## ANNUAL PRICES OF PIG IRON.

Average annual prices of Pig Iron, per ton, at Cincinnati, for years indicated:

| YEARS. | No. 1 hot-blast charcoal iron. | No. 1 stone coal iron. | No. 1 carwheel iron. | YEARS. | No. 1 hot-blast charcoal iron. | No. 1 stone coal iron. | No. 1 carwheel iron. |
|---|---|---|---|---|---|---|---|
| 1883–84 | $23 43 | $20 40 | $28 46 | 1890–91 | $21 18 | $16 35 | $22 53 |
| 1884–85 | 20 93 | 17 33 | 26 41 | 1891–92 | 20 28 | 15 62 | 19 29 |
| 1885–86 | 20 46 | 17 96 | 25 50 | 1892 | 19 75 | 15 15 | 18 85 |
| 1886–87 | 22 95 | 20 54 | 28 31 | 1893 | 18 45 | 14 00 | 18 50 |
| 1887–88 | 22 64 | 18 98 | 25 07 | 1894 | 17 80 | 12 50 | 18 50 |
| 1888–89 | 21 47 | 16 97 | 23 25 | 1895 | 15 90 | 12 85 | 15 95 |
| 1889–90 | 21 69 | 17 65 | 23 47 | 1896 | 15 20 | 12 50 | 15 55 |

| YEARS. | SOUTHERN COKE NO. 2 FOUNDRY. | | LAKE ORE COKE NO. 2 FOUNDRY. | | HANGING ROCK CHARCOAL NO. 1. | |
|---|---|---|---|---|---|---|
| | Range. | Average. | Range. | Average. | Range. | Average. |
| 1897 | $ 8 50@10 25 | $ 9 40 | $10 50@12 00 | $10 80 | $14 25@16 25 | $15 00 |
| 1898 | 9 25@10 25 | 9 65 | 10 25@10 75 | 10 50 | 14 00@15 50 | 14 95 |
| 1899 | 10 75@21 75 | 16 65 | 10 75@24 50 | 18 45 | 15 00@26 00 | 20 30 |
| 1900 | 12 50@21 25 | 17 45 | 13 50@24 50 | 18 50 | 20 00@27 00 | 21 70 |
| 1901 | 13 00@14 75 | 13 80 | 14 25@16 50 | 14 95 | 19 50@21 50 | 20 30 |
| 1902 | 14 25@27 25 | 20 30 | 16 25@26 60 | 22 50 | 20 50@37 00 | 30 05 |
| 1903 | 11 75@22 75 | 17 50 | 15 40@24 65 | 20 00 | 24 15@34 15 | 30 00 |
| 1904 | 11 75@16 75 | 13 10 | 13 15@17 65 | 14 15 | 22 15@24 65 | 22 70 |
| 1905 | 13 75@17 25 | 15 90 | 15 15@19 15 | 17 00 | 23 65@27 15 | 25 50 |

## SALES OF PIG IRON.

Annual sales of Pig Iron, at Cincinnati (including direct shipments), and approximate value of the same, in years ending August 31 and December 31:

| YEARS. | Tons Sold. | Value. | YEARS. | Tons Sold. | Value. |
|---|---|---|---|---|---|
| 1889–90 | 820,100 | $15,376,000 | 1898 | 1,033,000 | $11,879,000 |
| 1890–91 | 948,400 | 17,783,000 | 1899 | 1,658,000 | 29,844,000 |
| 1892 | 1,103,000 | 17,803,000 | 1900 | 1,084,000 | 20,054,000 |
| 1893 | 845,000 | 14,154,000 | 1901 | 1,700,000 | 25,500,000 |
| 1894 | 735,000 | 9,555,000 | 1902 | 2,063,000 | 38,300,000 |
| 1895 | 985,000 | 13,297,000 | 1903 | 1,559,000 | 29,600,000 |
| 1896 | 835,000 | 10,437,000 | 1904 | 1,801,000 | 26,100,000 |
| 1897 | 945,000 | 10,867,000 | 1905 | 1,743,000 | 29,600,000 |

## COMPARATIVE PRICES OF PIG IRON.

Approximate average price, monthly and yearly, of Pig Iron, per ton of 2,000 pounds, based on quotations at Cincinnati, for Strong No. 1 Hotblast Stone Coal and Coke Iron from 1886 to 1894, inclusive, and Southern Coke No. 2 Foundry Iron from 1895 to 1905, inclusive—the latter grade representing market value about $2.00@2.25 per ton below that of the former grade:

| MONTHS. | 1886 | 1887 | 1888 | 1889 | 1890 | 1891 | 1892 | 1893 | 1894 | 1895 |
|---|---|---|---|---|---|---|---|---|---|---|
| January | $18 50 | $21 25 | $20 50 | $17 50 | $19 50 | $16 00 | $16 00 | $14 50 | $13 75 | $9 25 |
| February | 19 00 | 22 25 | 19 50 | 17 00 | 19 50 | 16 00 | 15 75 | 14 50 | 13 00 | 9 25 |
| March | 19 00 | 22 25 | 19 50 | 17 00 | 19 50 | 16 25 | 15 50 | 14 25 | 12 75 | 9 00 |
| April | 18 75 | 22 00 | 18 50 | 17 00 | 17 25 | 16 25 | 15 25 | 13 25 | 12 50 | 9 00 |
| May | 18 75 | 21 00 | 17 75 | 16 25 | 16 75 | 16 25 | 15 25 | 13 25 | 12 25 | 9 50 |
| June | 18 50 | 20 25 | 16 75 | 16 25 | 16 75 | 16 25 | 15 25 | 13 75 | 12 25 | 10 50 |
| July | 18 00 | 20 25 | 16 25 | 16 25 | 16 75 | 16 25 | 15 00 | 13 75 | 12 25 | 11 50 |
| August | 18 00 | 20 50 | 16 25 | 16 25 | 16 75 | 16 25 | 15 00 | 13 75 | 12 25 | 11 50 |
| September | 17 75 | 21 25 | 18 00 | 16 25 | 16 75 | 16 25 | 14 75 | 13 50 | 12 25 | 12 50 |
| October | 18 00 | 21 00 | 17 75 | 16 75 | 17 00 | 16 25 | 14 75 | 13 50 | 12 25 | 12 75 |
| November | 18 50 | 21 00 | 17 75 | 17 50 | 17 00 | 16 25 | 14 75 | 13 50 | 12 25 | 12 75 |
| December | 20 00 | 21 00 | 17 75 | 19 00 | 16 50 | 16 00 | 14 75 | 13 25 | 12 25 | 12 25 |
| Average | $18 50 | $21 15 | $18 00 | $16 90 | $17 50 | $16 20 | $15 15 | $13 75 | $12 50 | $10 80 |

| MONTHS. | 1896 | 1897 | 1898 | 1899 | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 |
|---|---|---|---|---|---|---|---|---|---|---|
| January | $11 50 | $10 00 | $9 50 | $10 25 | $21 00 | $13 75 | $14 75 | $22 25 | $12 50 | $16 50 |
| February | 11 25 | 10 00 | 9 50 | 12 25 | 20 75 | 13 50 | 15 25 | 22 00 | 12 50 | 16 50 |
| March | 11 00 | 9 75 | 9 50 | 13 50 | 20 50 | 13 75 | 15 75 | 21 50 | 12 50 | 16 50 |
| April | 10 25 | 9 50 | 9 50 | 14 25 | 20 50 | 14 50 | 17 50 | 20 75 | 12 75 | 16 50 |
| May | 10 50 | 9 00 | 9 50 | 14 75 | 20 00 | 14 25 | 19 00 | 19 50 | 12 50 | 16 25 |
| June | 10 50 | 8 50 | 9 50 | 16 00 | 19 00 | 14 00 | 20 00 | 18 25 | 12 00 | 15 50 |
| July | 10 00 | 8 75 | 9 50 | 17 50 | 17 50 | 13 50 | 21 25 | 16 50 | 12 00 | 14 25 |
| August | 9 75 | 9 00 | 9 50 | 18 50 | 15 50 | 13 25 | 22 50 | 15 50 | 12 00 | 14 50 |
| September | 9 50 | 9 25 | 9 75 | 19 25 | 14 00 | 13 50 | 24 50 | 15 00 | 12 25 | 15 00 |
| October | 9 75 | 9 75 | 9 75 | 21 25 | 13 25 | 13 50 | 25 00 | 13 50 | 13 50 | 15 75 |
| November | 10 25 | 9 50 | 10 00 | 21 00 | 13 50 | 14 00 | 25 00 | 12 25 | 15 50 | 16 75 |
| December | 10 25 | 9 50 | 10 00 | 21 00 | 14 00 | 14 50 | 23 25 | 12 25 | 16 50 | 17 00 |
| Average | $10 35 | $9 40 | $9 65 | $16 65 | $17 45 | $13 80 | $20 30 | $17 50 | $13 10 | $15 90 |

## MONTHLY PRICES OF PIG IRON.

Range of monthly prices of Southern Coke, Lake Ore Coke and Hanging Rock Charcoal Pig Iron, per ton, at Cincinnati, in years indicated:

| MONTHS. | SOUTHERN COKE NO. 2 FOUNDRY. | | LAKE ORE COKE NO. 2 FOUNDRY. | | HANGING ROCK CHARCOAL NO. 1. | |
|---|---|---|---|---|---|---|
| | 1905 | 1904 | 1905 | 1904 | 1905 | 1904 |
| January | $16 25@16 75 | $12 25@12 75 | $17 15@17 65 | $13 90@15 90 | $23 65@26 65 | $22 65@23 65 |
| February | 16 25@16 75 | 12 00@12 75 | 17 15@17 65 | 13 65@14 40 | 23 65@26 65 | 22 15@23 15 |
| March | 16 25@16 75 | 12 00@13 00 | 17 15@17 65 | 13 65@14 15 | 23 65@26 65 | 22 15@22 65 |
| April | 16 25@16 75 | 12 75@13 00 | 17 15@17 65 | 13 65@14 15 | 23 65@26 65 | 22 15@22 65 |
| May | 15 75@16 75 | 12 00@13 00 | 16 90@17 65 | 13 15@14 15 | 23 65@26 65 | 22 15@22 65 |
| June | 14 50@16 25 | 12 00@12 25 | 16 15@17 15 | 13 15@13 40 | 23 65@26 65 | 22 15@22 65 |
| July | 13 75@14 75 | 11 75@12 25 | 15 15@16 15 | 13 15@13 40 | 23 65@26 65 | 22 15@22 65 |
| August | 14 25@14 75 | 12 00@12 25 | 15 15@15 40 | 13 15@13 40 | 23 65@26 65 | 22 15@22 65 |
| September | 14 50@15 25 | 12 25 | 15 40@16 15 | 13 15@13 40 | 23 65@26 65 | 22 15@22 65 |
| October | 14 75@16 75 | 12 25@14 75 | 15 90@17 65 | 13 15@13 90 | 23 65@27 15 | 22 15@22 65 |
| November | 16 25@17 25 | 14 25@16 75 | 17 15@19 15 | 14 65@16 65 | 26 65@27 15 | 22 15@24 65 |
| December | 16 75@17 25 | 16 25@16 75 | 18 65@19 15 | 16 15@17 65 | 26 65@27 15 | 23 65@24 65 |

## MONTHLY MOVEMENT OF WHISKY.

Monthly receipts and shipments of Whisky, at Cincinnati, representing barrels, as indicated:

| MONTHS. | RECEIPTS. | | | SHIPMENTS. | | |
|---|---|---|---|---|---|---|
| | 1905 | 1904 | 1903 | 1905 | 1904 | 1903 |
| January | 17,702 | 19,963 | 21,594 | 30,086 | 32,905 | 35,634 |
| February | 15,729 | 22,149 | 18,186 | 29,609 | 32,890 | 32,833 |
| March | 19,507 | 23,473 | 19,924 | 31,493 | 36,888 | 37,206 |
| April | 17,119 | 19,663 | 21,200 | 29,068 | 33,342 | 35,697 |
| May | 17,188 | 21,328 | 17,431 | 32,763 | 31,802 | 32,250 |
| June | 15,394 | 16,851 | 17,352 | 30,934 | 31,824 | 29,293 |
| July | 14,460 | 15,457 | 16,447 | 27,366 | 27,287 | 27,137 |
| August | 16,703 | 16,143 | 15,673 | 32,829 | 32,040 | 29,582 |
| September | 19,621 | 20,792 | 19,756 | 36,416 | 42,141 | 36,260 |
| October | 18,664 | 22,868 | 23,981 | 37,223 | 40,687 | 42,754 |
| November | 20,881 | 23,277 | 22,848 | 40,369 | 41,369 | 38,176 |
| December | 24,424 | 25,627 | 27,553 | 47,154 | 45,167 | 46,725 |

## YEARLY RECEIPTS AND SHIPMENTS OF WHISKY.

Receipts and shipments of Whisky, from all sources, at Cincinnati, for calendar years indicated:

| YEARS. | Receipts, bbls. | Shipm'ts, bbls. | YEARS. | Receipts, bbls. | Shipm'ts, bbls. | YEARS. | Receipts, bbls. | Shipm'ts, bbls. |
|---|---|---|---|---|---|---|---|---|
| 1894 | 385,160 | 505,183 | 1898 | 238,060 | 359,733 | 1902 | 389,604 | 567,549 |
| 1895 | 245,394 | 368,100 | 1899 | 269,613 | 403,223 | 1903 | 241,945 | 423,547 |
| 1896 | 236,596 | 342,285 | 1900 | 370,531 | 505,821 | 1904 | 247,591 | 428,342 |
| 1897 | 213,767 | 356,178 | 1901 | 422,942 | 586,993 | 1905 | 217,392 | 405,310 |

## MOVEMENT AND SALES OF PIG IRON.

Receipts and shipments of Pig Iron, at Cincinnati, in tons of 2,000 pounds, for calendar years from 1892, and commercial years previously; also tons sold by local dealers for shipment direct from sources of supply to destination points:

| YEARS. | Receipts, Tons. | Shipm'ts, Tons. | Direct Shipm'ts, Tons. | YEARS. | Receipts, Tons. | Shipm'ts, Tons. | Direct Shipm'ts, Tons. |
|---|---|---|---|---|---|---|---|
| 1885–86 | 195,899 | 145,852 | 315,527 | 1896 | 343,360 | 276,153 | 494,380 |
| 1886–87 | 266,005 | 203,186 | 401,768 | 1897 | 377,508 | 276,905 | 567,938 |
| 1887–88 | 239,536 | 160,084 | 433,222 | 1898 | 463,911 | 344,317 | 568,719 |
| 1888–89 | 322,993 | 201,026 | 417,690 | 1899 | 615,288 | 523,927 | 1,043,177 |
| 1889–90 | 395,640 | 295,022 | 424,440 | 1900 | 458,203 | 364,644 | 626,220 |
| 1890–91 | 497,350 | 368,859 | 451,078 | 1901 | 603,918 | 520,792 | 1,096,452 |
| 1892 | 521,730 | 398,446 | 581,848 | 1902 | 743,595 | 691,877 | 1,319,807 |
| 1893 | 359,882 | 299,150 | 449,168 | 1903 | 602,140 | 514,717 | 957,507 |
| 1894 | 302,405 | 198,057 | 433,165 | 1904 | 592,422 | 446,733 | 1,208,849 |
| 1895 | 493,604 | 378,031 | 493,362 | 1905 | 588,297 | 383,975 | 1,155,126 |

## PRODUCTION OF DISTILLED AND RECTIFIED SPIRITS.

Production of Distilled Spirits and Rectified Spirits, representing proof gallons, at Cincinnati and immediate vicinity (Covington, Newport, etc.):

| YEARS. | DISTILLED SPIRITS. | | | RECTIFIED SPIRITS. | | |
|---|---|---|---|---|---|---|
| | CINCINNATI. | VICINITY. | TOTAL. | CINCINNATI. | VICINITY. | TOTAL. |
| 1894 | 6,973,809 | 2,401,571 | 9,575,380 | 8,039,869 | 1,915,611 | 9,955,480 |
| 1895 | 6,444,678 | 2,432,638 | 8,877,316 | 7,681,119 | 1,990,353 | 9,671,473 |
| 1896 | 5,970,505 | 2,327,058 | 8,297,563 | 7,908,319 | 1,995,499 | 9,903,818 |
| 1897 | 8,826,085 | 263,150 | 9,089,236 | 6,736,078 | 1,911,804 | 8,647,882 |
| 1898 | 7,722,872 | 1,965,898 | 9,688,770 | 7,050,876 | 1,987,723 | 9,038,600 |
| 1899 | 7,701,790 | 1,765,026 | 9,466,817 | 8,402,669 | 2,045,594 | 10,448,264 |
| 1900 | 6,228,753 | 1,066,130 | 7,294,884 | 9,817,826 | 2,015,352 | 11,833,179 |
| 1901 | 7,834,031 | 1,641,984 | 9,476,015 | 11,196,313 | 2,186,191 | 13,382,504 |
| 1902 | 7,921,087 | 1,088,527 | 9,009,614 | 13,085,329 | 2,099,301 | 15,184,631 |
| 1903 | 8,797,858 | 2,459,753 | 11,257,611 | 13,394,175 | 2,157,487 | 15,551,662 |
| 1904 | 8,991,369 | 2,300,000 | 11,291,369 | 13,495,997 | 2,140,494 | 15,636,491 |
| 1905 | 7,018,397 | 1,158,674 | 8,177,071 | 13,537,680 | 2,192,335 | 15,730,015 |

## PRICES OF SPIRITS.

Changes in basis price of Spirits, per proof gallon, at Cincinnati, in 1905, and previously, as indicated:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| September 27, 1900 | $1 27 | January 29, 1902 | $1 31 | August 21, 1903 | $1 23 | October 25, 1904 | $1 24 |
| April 27, 1901 | 1 28 | March 1, 1902 | 1 30 | October 6, 1903 | 1 24 | January 9, 1905 | 1 23 |
| May 22, 1901 | 1 27 | July 15, 1902 | 1 31 | October 12, 1903 | 1 25 | May 10, 1905 | 1 26 |
| July 23, 1901 | 1 29 | September 4, 1902 | 1 32 | December 1, 1903 | 1 27 | June 16, 1905 | 1 27 |
| August 10, 1901 | 1 30 | December 23, 1902 | 1 31 | March 3, 1904 | 1 28 | August 9, 1905 | 1 28 |
| November 8, 1901 | 1 31 | January 7, 1903 | 1 30 | September 26, 1904 | 1 26½ | August 30, 1905 | 1 29 |
| November 27, 1901 | 1 32 | August 7, 1903 | 1 29 | October 21, 1904 | 1 25 | September 26, 1905 | 1 30 |

Average annual prices of Spirits, per proof gallon, at Cincinnati, as indicated:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1894 | $1 19.88 | 1897 | $1 18.87 | 1900 | $1 24.82 | 1903 | $1 28.06 |
| 1895 | 1 22.50 | 1898 | 1 22.93 | 1901 | 1 28.58 | 1904 | 1 26.95 |
| 1896 | 1 20.50 | 1899 | 1 25.04 | 1902 | 1 31.00 | 1905 | 1 26.44 |

## YEARLY PRODUCTION AND RECEIPTS OF WHISKY.

Aggregate yearly production and receipts of Whisky, at Cincinnati, stated in gallons, and value of the same, for years indicated:

| YEARS. | Made and Received. | Total Value. | YEARS. | Made and Received. | Total Value. |
|---|---|---|---|---|---|
| 1894 | 27,863,060 | $34,360,000 | 1900 | 25,080,370 | $31,337,000 |
| 1895 | 20,656,228 | 25,598,000 | 1901 | 29,777,231 | 37,553,000 |
| 1896 | 19,654,171 | 24,194,000 | 1902 | 27,710,606 | 35,179,000 |
| 1897 | 19,350,052 | 23,630,000 | 1903 | 22,870,971 | 28,926,000 |
| 1898 | 21,115,650 | 26,194,000 | 1904 | 23,175,737 | 29,195,000 |
| 1899 | 22,408,240 | 28,014,000 | 1905 | 18,611,887 | 23,382,000 |

## MOVEMENT OF TOBACCO.

Yearly movement of Leaf and Manufactured Tobacco, at Cincinnati:

| YEARS. | RECEIPTS. | | | SHIPMENTS. | | |
|---|---|---|---|---|---|---|
| | Leaf, hhds. | Leaf, cases. | Manufactured, packages. | Leaf, hhds. | Leaf, cases. | Manufactured, packages. |
| 1894 | 129,521 | 35,663 | 153,914 | 121,517 | 14,822 | 160,470 |
| 1895 | 112,033 | 30,268 | 123,327 | 100,781 | 10,212 | 149,948 |
| 1896 | 84,223 | 28,349 | 139,562 | 86,678 | 7,671 | 148,680 |
| 1897 | 99,163 | 32,566 | 155,065 | 89,660 | 10,004 | 153,339 |
| 1898 | 70,705 | 34,187 | 110,469 | 72,239 | 9,413 | 118,115 |
| 1899 | 90,615 | 81,905 | 186,636 | 79,389 | 36,942 | 235,179 |
| 1900 | 72,104 | 63,826 | 226,149 | 70,966 | 25,887 | 274,508 |
| 1901 | 73,901 | 60,620 | 237,515 | 75,847 | 36,813 | 265,382 |
| 1902 | 81,075 | 52,740 | 236,829 | 82,903 | 32,434 | 267,068 |
| 1903 | 67,467 | 65,704 | 168,438 | 64,801 | 51,040 | 216,103 |
| 1904 | 60,719 | 42,755 | 107,219 | 56,865 | 23,104 | 152,535 |
| 1905 | 77,537 | 64,031 | 160,187 | 58,752 | 28,522 | 248,736 |

NOTE.—Leaf Tobacco in bales, included with cases.

## MANUFACTURE OF TOBACCO AND CIGARS.

Quantity of Chewing and Smoking Tobacco, representing pounds, and number of Cigars, manufactured yearly, at Cincinnati, and at Covington and Newport:

| YEARS. | CHEWING AND SMOKING TOBACCO. | | | PRODUCTION OF CIGARS. | | |
|---|---|---|---|---|---|---|
| | CINCINNATI. | COVINGTON AND NEWPORT. | TOTAL LBS. | CINCINNATI. | COVINGTON AND NEWPORT. | TOTAL NO. |
| 1894 | 1,747,975 | 1,842,714 | 3,590,689 | 159,537,210 | 6,557,820 | 166,095,030 |
| 1895 | 2,633,053 | 1,636,243 | 4,269,296 | 162,376,180 | 6,127,963 | 168,504,143 |
| 1896 | 3,819,434 | 1,119,044 | 4,938,478 | 163,380,910 | 5,955,140 | 169,336,050 |
| 1897 | 4,566,648 | 1,276,066 | 5,842,714 | 169,176,780 | 6,763,040 | 175,939,820 |
| 1898 | 5,481,032 | 1,634,352 | 7,115,384 | 227,903,051 | 8,465,645 | 236,368,696 |
| 1899 | 7,354,194 | 1,688,936 | 9,043,130 | 289,772,893 | 8,552,088 | 298,324,981 |
| 1900 | 8,232,465 | 2,637,267 | 10,869,732 | 286,576,100 | 9,682,833 | 296,258,933 |
| 1901 | 8,803,509 | 2,589,456 | 11,392,965 | 273,355,450 | 9,345,762 | 282,701,212 |
| 1902 | 5,160,795 | 2,414,382 | 7,575,177 | 260,148,790 | 10,854,713 | 271,003,503 |
| 1903 | 6,471,730 | 2,500,561 | 8,972,291 | 247,410,590 | 12,843,480 | 260,254,070 |
| 1904 | 7,709,368 | 2,541,051 | 10,250,419 | 171,258,700 | 11,112,613 | 182,371,313 |
| 1905 | 8,635,463 | 2,827,022 | 11,462,485 | 168,951,130 | 12,273,170 | 181,224,300 |

## MOVEMENT OF MANUFACTURED IRON AND STEEL.

Receipts and shipments of Manufactured Iron and Steel, at Cincinnati:

| YEARS. | Receipts, Tons. | Shipments, Tons. | YEARS. | Receipts, Tons. | Shipments, Tons. |
|---|---|---|---|---|---|
| 1884-85 | 112,109 | 89,745 | 1895 | 174,194 | 127,174 |
| 1885-86 | 137,203 | 104,311 | 1896 | 127,028 | 97,486 |
| 1886-87 | 155,885 | 139,393 | 1897 | 177,291 | 138,342 |
| 1887-88 | 150,747 | 124,736 | 1898 | 176,249 | 147,110 |
| 1888-89 | 147,964 | 123,681 | 1899 | 261,716 | 225,151 |
| 1889-90 | 192,971 | 161,915 | 1900 | 248,820 | 183,751 |
| 1890-91 | 174,512 | 164,262 | 1901 | 363,110 | 276,315 |
| 1891-92 | 193,777 | 177,777 | 1902 | 422,651 | 321,290 |
| 1892 | 190,216 | 174,693 | 1903 | 355,988 | 351,671 |
| 1893 | 134,029 | 109,868 | 1904 | 299,044 | 242,732 |
| 1894 | 121,229 | 89,123 | 1905 | 445,147 | 356,672 |

## LEAF TOBACCO TRADE.

Total annual receipts, offerings, rejections and sales of Leaf Tobacco, at the Cincinnati warehouses, for calendar years indicated:

| YEARS. | RECEIPTS. | | OFFERINGS. | | REJECTIONS. | | SALES. | |
|---|---|---|---|---|---|---|---|---|
| | Hhds. | Cases. | Hhds. | Cases. | Hhds. | Cases. | Hhds. | Cases. |
| 1894 | 76,625 | 3,254 | 104,010 | 4,685 | 28,723 | 1,531 | 75,287 | 3,154 |
| 1895 | 80,508 | 2,487 | 103,198 | 3,609 | 30,517 | 1,433 | 72,681 | 2,176 |
| 1896 | 68,045 | 1,084 | 98,408 | 1,781 | 28,042 | 591 | 70,336 | 1,190 |
| 1897 | 80,586 | 970 | 105,069 | 1,230 | 23,288 | 240 | 81,781 | 990 |
| 1898 | 50,205 | 780 | 68,403 | 1,050 | 15,976 | 306 | 52,427 | 741 |
| 1899 | 68,665 | 7,887 | 79,475 | 10,430 | 14,764 | 2,490 | 64,711 | 7,940 |
| 1900 | 56,070 | * | 70,925 | * | 16,284 | * | 54,641 | * |
| 1901 | 60,318 | * | 67,090 | * | 12,158 | * | 54,932 | * |
| 1902 | 51,638 | 3,295 | 63,910 | 4,426 | 12,865 | 1,087 | 51,045 | 3,339 |
| 1903 | 52,093 | 4,807 | 65,893 | 5,922 | 11,609 | 1,736 | 54,284 | 4,186 |
| 1904 | 21,022 | * | 23,626 | * | 3,566 | * | 20,060 | * |
| 1905 | 45,419 | * | 51,617 | * | 11,402 | * | 40,215 | * |

* Not reported.

Stocks of Leaf Tobacco in Cincinnati warehouses on January 1:

| PACKAGES. | 1906 | 1905 | 1904 | 1903 | 1902 | 1901 | 1900 | 1899 | 1898 | 1897 | 1896 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hogsheads | 9,080 | 6,238 | 8,781 | 10,084 | 12,287 | 9,391 | 10,353 | 7,387 | 13,496 | 15,769 | 21,119 |
| Cases | * | * | 750 | 900 | * | * | 1,200 | 138 | 91 | 206 | 402 |

*Not reported.

## BANK CLEARINGS.

Monthly Clearings at the Cincinnati Clearing House, representing actual exchanges brought to the Clearing House:

| MONTHS. | 1905 | 1904 | 1903 | 1902 | 1901 | 1900 |
|---|---|---|---|---|---|---|
| January | $108,623,400 | $ 99,719,750 | $106,972,000 | $90,542,650 | $89,116,100 | $72,512,200 |
| February | 83,901,450 | 90,291,300 | 88,958,950 | 79,026,200 | 77,616,600 | 61,388,700 |
| March | 101,831,200 | 97,173,800 | 96,270,000 | 85,943,250 | 79,040,550 | 68,246,900 |
| April | 104,195,100 | 97,065,500 | 98,535,200 | 90,268,000 | 82,710,250 | 68,086,800 |
| May | 101,232,400 | 96,291,800 | 98,531,550 | 84,877,650 | 86,810,750 | 65,516,150 |
| June | 102,343,400 | 114,767,700 | 106,463,700 | 97,279,350 | 87,407,300 | 69,398,000 |
| July | 101,895,950 | 113,647,050 | 101,992,100 | 97,786,950 | 81,817,800 | 66,704,950 |
| August | 91,165,550 | 105,042,850 | 88,784,700 | 82,494,550 | 73,768,500 | 60,725,700 |
| September | 89,428,200 | 100,769,650 | 86,054,400 | 91,380,500 | 70,483,400 | 54,747,400 |
| October | 108,041,500 | 98,681,500 | 95,318,800 | 93,630,450 | 80,101,900 | 67,516,550 |
| November | 100,652,200 | 99,262,100 | 92,265,450 | 90,747,100 | 81,972,900 | 66,313,700 |
| December | 111,219,200 | 110,102,350 | 94,500,750 | 96,925,350 | 81,656,400 | 74,436,700 |
| Totals | $1,204,529,550 | $1,222,815,350 | $1,154,647,600 | $1,080,902,000 | $972,502,450 | $795,593,750 |

The following shows yearly totals of Bank Clearings at Cincinnati:

| YEARS. | TOTALS. | YEARS. | TOTALS. | YEARS. | TOTALS. |
|---|---|---|---|---|---|
| 1891 | $668,216,000 | 1896 | $585,954,000 | 1901 | $ 972,502,000 |
| 1892 | 750,789,000 | 1897 | 626,786,000 | 1902 | 1,080,902,600 |
| 1893 | 642,369,000 | 1898 | 646,154,000 | 1903 | 1,154,647,000 |
| 1894 | 643,441,000 | 1899 | 748,490,000 | 1904 | 1,222,815,000 |
| 1895 | 651,284,000 | 1900 | 795,593,000 | 1905 | 1,204,529,550 |

## PRODUCTION AND PRICES OF BEER, ETC.

Annual production of Malt Liquors, representing barrels, in Cincinnati, Ohio, and Covington, Newport, etc., Kentucky, for commercial years ending August 31, to 1891-92, and calendar years subsequently:

| YEARS. | CINCINNATI. | COVINGTON, ETC. | TOTALS. | YEARS. | CINCINNATI. | COVINGTON, ETC. | TOTALS. |
|---|---|---|---|---|---|---|---|
| 1886-87 | 1,041,731 | 83,130 | 1,124,861 | 1896 | 1,179,771 | 136,220 | 1,315,991 |
| 1887-88 | 1,080,176 | 86,228 | 1,166,404 | 1897 | 1,172,907 | 138,600 | 1,311,507 |
| 1888-89 | 1,034,593 | 86,330 | 1,120,923 | 1898 | 1,158,155 | 159,000 | 1,317,155 |
| 1889-90 | 1,187,208 | 100,570 | 1,287,778 | 1899 | 1,101,700 | 142,300 | 1,244,000 |
| 1890-91 | 1,263,778 | 115,830 | 1,379,608 | 1900 | 1,161,139 | 176,205 | 1,337,344 |
| 1891-92 | 1,229,255 | 121,610 | 1,350,865 | 1901 | 1,123,581 | 169,812 | 1,292,893 |
| 1892 | 1,249,260 | 125,070 | 1,374,330 | 1902 | 1,196,449 | 189,135 | 1,385,584 |
| 1893 | 1,198,736 | 123,590 | 1,322,326 | 1903 | 1,194,167 | 237,270 | 1,431,437 |
| 1894 | 1,131,002 | 129,010 | 1,260,012 | 1904 | 1,298,755 | 202,445 | 1,501,200 |
| 1895 | 1,198,518 | 139,810 | 1,338,328 | 1905 | 1,419,099 | 246,482 | 1,665,581 |

The tax on Beer was $1.60 per barrel, less 7½ per cent, July 1, 1901, to July 1, 1902, then changed to $1.00.

Relative prices of Ale, Beer and Porter, per barrel, at Cincinnati, at the close of December, in years indicated:

| ARTICLES. | 1905 | 1904 | 1903 | 1902 | 1901 | 1900 |
|---|---|---|---|---|---|---|
| Ale | $7 00@8 00 | $7 00@8 00 | $7 00@8 00 | $7 00@8 00 | $7 00@8 00 | $7 00@8 00 |
| Beer, Lager | 6 30 | 6 30 | 6 30 | 6 30 | 6 30 | 6 30 |
| Porter | 7 00@8 00 | 7 00@8 00 | 7 00@8 00 | 7 00@8 00 | 7 00@8 00 | 7 00@8 00 |

## EXPORTS OF DOMESTIC PRODUCTS.

Exports of indicated domestic products from the United States, by quantities for years ending June 30:

| ARTICLES. | 1904-05. | 1903-04. | 1902-03. | 1901-02. | 1900-01. |
|---|---|---|---|---|---|
| Cotton, pounds | 4,304,848,903 | 3,063,192,760 | 3,543,043,022 | 3,500,778,763 | 3,330,890,448 |
| Wheat, bushels | 1,394,402 | 44,230,169 | 114,181,420 | 154,856,102 | 132,060,667 |
| Flour, barrels | 8,826,335 | 16,999,432 | 19,716,634 | 17,759,203 | 18,650,979 |
| Wheat and flour, bushels | 44,112,910 | 120,727,613 | 202,906,273 | 234,772,515 | 215,990,072 |
| Corn, bushels | 88,807,223 | 55,858,965 | 74,833,237 | 26,636,552 | 177,817,965 |
| Oats, bushels | 5,479,308 | 1,153,714 | 4,613,809 | 9,971,139 | 37,146,812 |
| Bacon, lbs | 262,246,635 | 249,665,941 | 207,336,000 | 383,150,624 | 456,122,741 |
| Hams, lbs | 203,458,724 | 194,948,864 | 214,183,365 | 227,653,232 | 216,571,803 |
| Pork, salted, lbs | 118,887,189 | 112,225,176 | 95,287,374 | 115,896,275 | 138,643,611 |
| Pork, fresh, lbs | 14,946,284 | 18,633,820 | 20,966,113 | 44,171,674 | 30,728,586 |
| Pork, canned, lbs | 10,254,239 | 9,479,312 | 13,590,897 | 9,603,882 | 8,945,584 |
| Meats, total, lbs | 609,793,071 | 584,953,113 | 551,363,749 | 780,475,687 | 851,012,335 |
| Lard, lbs | 610,238,899 | 561,302,643 | 490,755,821 | 556,840,222 | 611,357,514 |
| Hog product, lbs | 1,220,031,970 | 1,146,255,756 | 1,042,119,570 | 1,346,919,791 | 1,462,369,849 |
| Beef, fresh, lbs | 236,845,360 | 299,579,671 | 254,795,963 | 301,824,473 | 351,748,333 |
| Beef, salted, lbs | 55,583,905 | 57,584,710 | 52,801,220 | 48,632,727 | 55,312,632 |
| Beef, canned, lbs | 67,088,568 | 57,468,338 | 76,307,114 | 66,645,838 | 53,445,521 |
| Cattle, number | 567,806 | 593,409 | 402,178 | 392,884 | 459,218 |
| Hogs, number | 44,496 | 6,345 | 4,031 | 8,368 | 22,318 |
| Sheep, number | 268,365 | 301,313 | 176,961 | 358,720 | 297,925 |
| Tallow, lbs | 63,536,992 | 76,924,174 | 27,368,924 | 34,665,758 | 77,166,889 |
| Butter, lbs | 10,071,487 | 10,717,824 | 8,896,166 | 16,002,169 | 23,243,526 |
| Cheese, lbs | 10,134,424 | 23,335,172 | 18,987,178 | 27,203,184 | 39,813,517 |
| Oleomargarine, lbs | 7,921,588 | 6,137,251 | 7,645,652 | 5,721,254 | 4,990,699 |
| Oleo, oil, lbs | 145,228,245 | 165,183,839 | 126,010,339 | 138,546,088 | 161,651,413 |
| Lard compounds, lbs | 61,219,813 | 53,603,545 | 46,130,004 | 36,201,744 | 23,359,966 |

## ANNUAL RECEIPTS AND SHIPMENTS OF COAL.

Annual receipts of Coal, in bushels, at Cincinnati, according to reports of gaugers, private returns, and records of the Chamber of Commerce:

| YEARS. | PITTSBURGH. (By River) | KANAWHA. (By River) | OTHER KINDS. (By River) | KANAWHA. (By Rail) | OTHER KINDS. (By Rail) | ANTHRACITE. (By Rail) |
|---|---|---|---|---|---|---|
| 1894 | 40,156,667 | 16,398,039 | 158,334 | 13,300,000 | 5,783,527 | 661,548 |
| 1895 | 26,675,823 | 15,106,095 | 14,460 | 18,900,000 | 8,219,823 | 1,227,000 |
| 1896 | 36,696,759 | 22,015,133 | 130,217 | 13,800,000 | 5,876,000 | 1,171,000 |
| 1897 | 35,040,790 | 17,941,769 | 60,217 | 17,600,000 | 6,868,000 | 1,251,250 |
| 1898 | 41,271,142 | 19,949,098 | 95,590 | 19,080,000 | 6,934,000 | 948,125 |
| 1899 | 33,339,381 | 18,987,364 | 29,533 | 22,630,000 | 7,542,800 | 1,291,250 |
| 1900 | 19,066,472 | 24,586,857 | 917,206 | 21,255,000 | 7,086,000 | 437,500 |
| 1901 | 22,379,828 | 27,516,166 | 1,219,387 | 29,732,000 | 9,911,100 | 632,500 |
| 1902 | 37,506,783 | 21,035,945 | 1,487,315 | 28,779,000 | 15,497,800 | 293,750 |
| 1903 | 27,018,901 | 26,400,194 | 2,012,871 | 30,845,000 | 25,564,300 | 510,625 |
| 1904 | 22,528,563 | 21,158,513 | 130,707 | 40,490,000 | 33,128,000 | 748,000 |
| 1905 | 40,689,000 | 31,936,000 | 310,000 | 48,037,000 | 39,303,000 | 545,000 |

Total annual receipts, by River and by Rail, and aggregate receipts, with total annual shipments, by River and by Rail, and aggregate shipments:

| YEARS. | Receipts (By River) | Receipts. (By Rail) | Aggregate Receipts. | Shipments. (By River) | Shipments. (By Rail) | Aggregate Shipments |
|---|---|---|---|---|---|---|
| 1894 | 56,712,040 | 19,745,075 | 76,458,115 | 812,797 | 16,216,500 | 17,029,297 |
| 1895 | 41,796,318 | 28,346,823 | 70,143,141 | 3,458,825 | 15,336,500 | 18,795,325 |
| 1896 | 58,842,109 | 20,847,000 | 79,689,109 | 2,784,324 | 12,150,000 | 14,934,324 |
| 1897 | 53,042,776 | 25,719,250 | 78,762,026 | 3,509,056 | 15,664,000 | 19,173,056 |
| 1898 | 61,315,830 | 26,962,925 | 88,278,755 | 1,786,379 | 14,921,400 | 16,707,779 |
| 1899 | 52,356,278 | 31,464,050 | 83,820,328 | 1,195,436 | 14,043,600 | 15,239,036 |
| 1900 | 44,570,535 | 28,778,500 | 73,349,035 | 2,811,771 | 11,780,850 | 14,592,621 |
| 1901 | 51,115,381 | 40,275,600 | 91,390,981 | 5,207,771 | 22,047,025 | 27,254,796 |
| 1902 | 60,030,043 | 44,570,550 | 104,600,593 | 6,113,597 | 30,524,150 | 36,637,747 |
| 1903 | 55,431,966 | 56,919,925 | 112,351,891 | 2,787,000 | 36,635,750 | 39,422,750 |
| 1904 | 43,817,783 | 74,366,000 | 118,183,783 | 3,448,000 | 41,228,000 | 44,676,000 |
| 1905 | 72,935,000 | 87,885,000 | 160,820,000 | 6,433,000 | 57,541,000 | 58,974,000 |

Total annual receipts of Coal, at Cincinnati, in tons of 2,000 pounds:

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1894 | 2,755,137 | 1897 | 2,840,437 | 1900 | 2,642,315 | 1903 | 4,046,710 |
| 1895 | 2,530,061 | 1898 | 3,181,827 | 1901 | 3,292,604 | 1904 | 4,257,613 |
| 1896 | 2,873,492 | 1899 | 3,022,697 | 1902 | 3,766,796 | 1905 | 5,791,000 |

NOTE.—Kanawha receipts of Coal, by Rail, are computed by percentage of total receipts by Rail, based on best available information.

Receipts of Coke in 1905, 4,580,000 bushels; locally manufactured, 7,219,000; shipments, 7,920,000 bushels.

## PRODUCTION OF COAL.

Annual production of Coal in the United States, in tons of 2,240 pounds, according to investigations of EDWARD W. PARKER, U. S. Geological Survey:

| KINDS. | 1904 | 1903 | 1902 | 1901 | 1900 | 1899 |
|---|---|---|---|---|---|---|
| Bituminous | 249,244,000 | 252,455,000 | 232,252,000 | 201,631,000 | 189,567,000 | 172,523,000 |
| Anthracite | 65,318,000 | 66,613,000 | 37,024,000 | 60,242,000 | 51,221,000 | 54,030,000 |
| Total, tons | 314,562,000 | 319,068,000 | 269,276,000 | 261,873,000 | 240,788,000 | 226,553,000 |

## OHIO RIVER STEAMERS.

Detailed statement of Freight and Passenger Steamers in service between Cincinnati and other ports during the year 1905, showing names, when built, where built, and tonnage of each, according to custom-house measurement:

| NAMES. | When Built. | Where Built. | Tonnage. | NAMES. | When Built. | Where Built. | Tonnage. |
|---|---|---|---|---|---|---|---|
| Avalon | 1898 | Clarington, O. | 305.00 | Keystone State | 1890 | Marietta, O. | 599.02 |
| Addie T. | 1904 | Higginsport, O. | 146.00 | Levi J. Workum | 1891 | Cincinnati, O. | 183.82 |
| Ben Hur | 1887 | Harmar, O. | 284.00 | Lizzie Bay | 1886 | Madison, Ind. | 176.39 |
| Big Kanawha | 1887 | Madison, Ind. | 212.00 | M. P. Wells | 1888 | Belle Vernon, Pa. | 87.00 |
| Bonanza | 1885 | Cincinnati, O. | 741.13 | New South | 1887 | Jeffersonville, Ind. | 932.95 |
| City of Cincinnati | 1899 | Jeffersonville, Ind. | 816.00 | Peters Lee | 1899 | Jeffersonville, Ind. | 463.00 |
| City of Louisville | 1894 | Jeffersonville, Ind. | 1,681.98 | Queen City | 1897 | Cincinnati, O. | 624.23 |
| Courier | 1885 | Freedom, Pa. | 296.49 | Rees Lee | 1899 | Jeffersonville, Ind. | 463.00 |
| Cricket | 1900 | Parkersburg, W.Va. | 65.00 | Tacoma | 1883 | New Richmond, O. | 266.92 |
| Greenland | 1903 | Marietta, O. | 294.00 | Vincennes | 1899 | Higginsport, O. | 81.00 |
| Greenwood | 1898 | Parkersburg, W.Va | 270.00 | Virginia | 1895 | Cincinnati, O. | 628.08 |
| Helen M. Gould | 1899 | Indianapolis, Ind. | 108.00 | | | | |
| Henry M. Stanley | 1890 | Pt. Pleasant, W.Va. | 293.77 | | | | |
| Hudson | 1886 | Pittsburgh, Pa. | 741.76 | | | | |
| Indiana | 1900 | Jeffersonville, Ind. | 836.00 | Total tonnage, 1905 | | | 13,513.19 |
| Island Queen | 1896 | Cincinnati, O. | 1,446.65 | Total tonnage, 1904 | | | 14,048.23 |
| Kanawha | 1896 | Ironton, O. | 429.00 | | | | |
| Katie Mc | 1902 | Proctorsville, O. | 41.00 | Decrease | | | 535.04 |

NOTE.—The above list includes only Steamers engaged in freight and passenger traffic during the year.

Two steamers destroyed in 1905—the Hudson, burned at Cincinnati February 6; the Big Kanawha, wrecked by the ice gorge near Maysville, when the ice moved on Friday, February 24.

The whole number of Steamers in the freight and passenger traffic between Cincinnati and other ports, and total tonnage, compared for ten years:

| YEARS. | Number. | Tonnage. | YEARS. | Number. | Tonnage. |
|---|---|---|---|---|---|
| 1896 | 25 | 15,032 | 1901 | 29 | 15,130 |
| 1897 | 27 | 15,881 | 1902 | 30 | 15,483 |
| 1898 | 25 | 14,677 | 1903 | 27 | 13,498 |
| 1899 | 29 | 16,311 | 1904 | 30 | 14,048 |
| 1900 | 28 | 15,618 | 1905 | 29 | 13,513 |

## CINCINNATI PROPERTY VALUATION AND TAXATION.

Valuation of Real and Personal Property, Rate of Taxation and Amount of Tax Revenues, of Cincinnati, for years indicated:

| YEARS. | Real Estate. | Personalty. | Amount of Levy. | Amount of Revenue. | YEARS. | Real Estate. | Personalty. | Amount of Levy. | Amount of Revenue. |
|---|---|---|---|---|---|---|---|---|---|
| 1870 | $78,736,482 | $57,370,754 | 3.16 | $4,300,988 00 | 1900 | $164,311,260 | $42,170,530 | 2.598 | $5,364,396 90 |
| 1875 | 125,976,835 | 58,521,730 | 2.182 | 4,579,254 00 | 1901 | 170,123,990 | 44,747,630 | 2.482 | 5,333,113 60 |
| 1880 | 129,956,980 | 37,578,376 | 3.10 | 5,193,596 08 | 1902 | 169,369,040 | 41,978,840 | 2.318 | 4,899,043 86 |
| 1885 | 127,454,100 | 42,632,868 | 2.686 | 4,568,535 96 | 1903 | 171,186,690 | 44,785,700 | 2.270 | 4,901,892 25 |
| 1890 | 137,121,460 | 40,651,780 | 2.666 | 4,739,434 58 | 1904 | 177,190,590 | 46,949,370 | 2.254 | 5,052,114 70 |
| 1895 | 147,926,860 | 40,538,020 | 2.814 | 5,303,401 72 | 1905 | 180,528,850 | 47,126,470 | 2.238 | 5,094,926 06 |

# ARRIVALS AND DEPARTURES OF STEAMERS.

Monthly arrivals and departures of Freight and Passenger Steamers, at Cincinnati, with comparisons for three years, as indicated:

ARRIVED FROM

| MONTHS. | MEMPHIS AND NEW ORLEANS. | | | PITTSBURGH AND WHEELING. | | | OTHER POINTS. | | | TOTALS. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1905 | 1904 | 1903 | 1905 | 1904 | 1903 | 1905 | 1904 | 1903 | 1905 | 1904 | 1903 |
| January | 2 | .. | 3 | 2 | .. | 7 | 40 | 2 | 83 | 44 | 2 | 93 |
| February | .. | .. | 4 | .. | 1 | 10 | ... | 26 | 98 | ... | 27 | 112 |
| March | 2 | 2 | 5 | 4 | 10 | 12 | 121 | 114 | 116 | 127 | 126 | 133 |
| April | 6 | 6 | 5 | 9 | 13 | 13 | 142 | 115 | 139 | 157 | 134 | 157 |
| May | 4 | 4 | 4 | 10 | 15 | 8 | 146 | 137 | 136 | 160 | 156 | 148 |
| June | 4 | 5 | 3 | 12 | 14 | 2 | 132 | 135 | 140 | 148 | 154 | 145 |
| July | 4 | 4 | 2 | 13 | 15 | 9 | 133 | 147 | 142 | 150 | 166 | 153 |
| August | 2 | .. | 2 | 12 | .. | 3 | 138 | 151 | 134 | 152 | 151 | 139 |
| September | .. | .. | 2 | 2 | .. | 1 | 132 | 133 | 138 | 134 | 133 | 141 |
| October | .. | .. | 1 | 1 | .. | .. | 129 | 119 | 135 | 130 | 119 | 136 |
| November | 3 | .. | 1 | 10 | .. | 1 | 124 | 127 | 122 | 137 | 127 | 124 |
| December | 4 | .. | 1 | 9 | .. | 1 | 125 | 41 | 50 | 138 | 41 | 52 |
| Totals | 31 | 21 | 33 | 84 | 68 | 67 | 1,362 | 1,247 | 1,433 | 1,477 | 1,336 | 1,533 |

DEPARTED FOR

| MONTHS. | MEMPHIS AND NEW ORLEANS. | | | PITTSBURGH AND WHEELING. | | | OTHER POINTS. | | | TOTALS. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1905 | 1904 | 1903 | 1905 | 1904 | 1903 | 1905 | 1904 | 1903 | 1905 | 1904 | 1903 |
| January | .. | .. | 5 | 4 | .. | 7 | 39 | ... | 83 | 43 | ... | 95 |
| February | .. | 1 | 4 | .. | .. | 10 | ... | 32 | 94 | ... | 33 | 108 |
| March | 4 | 2 | 3 | 5 | 11 | 12 | 125 | 118 | 119 | 134 | 131 | 134 |
| April | 5 | 5 | 5 | 11 | 13 | 13 | 143 | 114 | 139 | 159 | 132 | 157 |
| May | 4 | 4 | 5 | 10 | 13 | 5 | 145 | 138 | 133 | 159 | 155 | 143 |
| June | 3 | 4 | 3 | 11 | 15 | 3 | 131 | 137 | 141 | 145 | 156 | 147 |
| July | 5 | 5 | 3 | 13 | 12 | 8 | 133 | 145 | 144 | 151 | 162 | 155 |
| August | 2 | 1 | 2 | 12 | 1 | 1 | 136 | 150 | 133 | 150 | 152 | 136 |
| September | .. | .. | 3 | .. | .. | .. | 129 | 130 | 137 | 129 | 130 | 140 |
| October | .. | .. | 1 | 2 | .. | .. | 130 | 120 | 133 | 132 | 120 | 134 |
| November | 3 | .. | 1 | 9 | .. | 3 | 125 | 126 | 125 | 137 | 126 | 129 |
| December | 4 | .. | .. | 10 | 2 | .. | 125 | 42 | 44 | 139 | 44 | 44 |
| Totals | 30 | 22 | 35 | 87 | 67 | 62 | 1,361 | 1,252 | 1,425 | 1,478 | 1,341 | 1,522 |

Annual arrivals and departures of Steamers, at Cincinnati, for years indicated:

| YEARS. | Arrivals. | Departures. | YEARS. | Arrivals. | Departures. | YEARS. | Arrivals. | Departures. |
|---|---|---|---|---|---|---|---|---|
| 1870–71 | 2,377 | 2,356 | 1882–83 | 2,340 | 2,329 | 1894 | 1,687 | 1,694 |
| 1871–72 | 2,271 | 2,235 | 1883–84 | 2,170 | 2,162 | 1895 | 1,028 | 983 |
| 1872–73 | 2,340 | 2,333 | 1884–85 | 2,137 | 2,138 | 1896 | 1,124 | 1,042 |
| 1873–74 | 2,596 | 2,600 | 1885–86 | 2,489 | 2,483 | 1897 | 950 | 948 |
| 1874–75 | 2,602 | 2,665 | 1886–87 | 2,272 | 2,281 | 1898 | 1,396 | 1,391 |
| 1875–76 | 2,779 | 2,808 | 1887–88 | 2,113 | 2,115 | 1899 | 1,686 | 1,612 |
| 1876–77 | 2,646 | 2,653 | 1888–89 | 2,521 | 2,522 | 1900 | 1,491 | 1,502 |
| 1877–78 | 2,942 | 2,942 | 1889–90 | 2,257 | 2,252 | 1901 | 1,885 | 1,925 |
| 1878–79 | 2,725 | 2,730 | 1890–91 | 2,234 | 2,234 | 1902 | 1,724 | 1,739 |
| 1879–80 | 3,163 | 3,167 | 1891–92 | 2,185 | 2,188 | 1903 | 1,533 | 1,522 |
| 1880–81 | 2,638 | 2,633 | 1892 | 2,052 | 2,062 | 1904 | 1,336 | 1,341 |
| 1881–82 | 2,739 | 2,736 | 1893 | 1,891 | 1,894 | 1905 | 1,477 | 1,478 |

## STAGES OF THE OHIO RIVER.

Highest, lowest and average Stages of the Ohio River, at Cincinnati, each year indicated, with the highest Stage during the floods of 1832 and 1847:

| CALENDAR YEARS. | HIGHEST STAGE. | | | LOWEST STAGE. | | | AVERAGE FOR THE YEAR. | |
|---|---|---|---|---|---|---|---|---|
| | DATE. | Feet. | Inch. | DATE. | Feet. | Inch. | Feet. | Inch. |
| 1832 | February 18 | 64 | 3 | ..... | ..... | | ..... | |
| 1847 | December 17 | 63 | 7 | ..... | ..... | | ..... | |
| 1866 | September 26 | 42 | 6 | August 17 | 4 | 9 | 19 | 2 |
| 1867 | March 14 | 55 | 8 | October 19 | 3 | | 17 | |
| 1868 | March 30 | 48 | 3 | July 21 | 5 | 1 | 18 | 8 |
| 1869 | April 2 | 48 | 9 | August 21 | 5 | 4 | 19 | 8 |
| 1870 | January 19 | 55 | 3 | October 4 | 3 | 10 | 17 | 10 |
| 1871 | May 13 | 40 | 6 | October 12 | 2 | 8 | 11 | 10 |
| 1872 | April 13 | 41 | 9 | October 14 | 3 | | 11 | 8 |
| 1873 | December 18 | 44 | 5 | October 12 | 3 | 8 | 18 | 5 |
| 1874 | January 11 | 47 | 11 | September 22 | 2 | 4 | 15 | 8 |
| 1875 | August 6 | 55 | 4 | September 19 | 4 | 3 | 18 | 9 |
| 1876 | January 29 | 51 | 9 | September 4 | 6 | 2 | 18 | 2 |
| 1877 | January 20 | 53 | 9 | October 9 | 3 | 3 | 15 | |
| 1878 | December 15 | 41 | 4 | October 24 | 4 | 4 | 16 | 9 |
| 1879 | December 27 | 42 | 9 | October 23 | 2 | 6 | 14 | 6 |
| 1880 | February 17 | 53 | 2 | October 28 | 3 | 9 | 17 | |
| 1881 | February 16 | 50 | 7 | September 18 | 1 | 11 | 16 | 11 |
| 1882 | February 21 | 58 | 7 | November 1 | 6 | 1 | 22 | 1½ |
| 1883 | February 15 | 66 | 4 | September 21 | 3 | 7 | 19 | 5½ |
| 1884 | February 14 | 71 | ¾ | September 21 | 2 | 9 | 17 | 4 |
| 1885 | January 20 | 46 | | September 26 | 2 | 6 | 15 | 7 |
| 1886 | April 9 | 55 | 9 | November 1 | 3 | 4 | 17 | 10 |
| 1887 | February 5 | 56 | 3 | September 23 | 2 | 8 | 15 | 1½ |
| 1888 | April 1 | 39 | 11 | August 7 | 5 | 3 | 17 | 11 |
| 1889 | February 22 | 38 | 3 | September 13 | 5 | 3 | 18 | 6 |
| 1890 | March 26 | 59 | 2 | August 30 | 5 | 9 | 25 | 8 |
| 1891 | February 25 | 57 | 4 | October 7 | 4 | 5 | 20 | 6 |
| 1892 | April 25 | 43 | 8 | November 5 | 3 | 5 | 16 | 6 |
| 1893 | February 20 | 54 | 11 | August 30 | 3 | 7 | 17 | 8 |
| 1894 | February 15 | 35 | 6 | September 14 | 3 | 1 | 12 | 9 |
| 1895 | January 14 | 48 | 4 | October 28 | 2 | 3 | 12 | 2 |
| 1896 | April 4 | 47 | 8 | September 25 | 5 | 5 | 16 | 7 |
| 1897 | Febuary 26 | 61 | 2 | October 18 | 3 | 1 | 16 | 5 |
| 1898 | March 29 | 61 | 4 | October 6 | 4 | 5 | 19 | 7 |
| 1899 | March 8 | 57 | 4 | November 2 | 3 | 4 | 17 | 1 |
| 1900 | December 1 | 40 | | October 20, 21, 22 | 3 | 2 | 13 | 8 |
| 1901 | April 27 | 59 | 7 | November 11,12,13,15,19,20 | 4 | 2 | 17 | 6 |
| 1902 | March 5 | 50 | 9 | September 24, 25 | 3 | 9 | 16 | 8 |
| 1903 | March 5 | 53 | 1 | Oct. 5, Nov. 11 to 16 | 4 | 1 | 17 | 9 |
| 1904 | March 9 | 45 | 9 | October 6, 7 | 3 | 3 | 14 | 5 |
| 1905 | May 16 | 48 | 2 | October 11 | 6 | 5 | 18 | 2 |

Yearly averages prepared from the Stages as shown by the Water-works marks daily at 6 A. M. and 6 P. M. since 1881; the previous years having been made from one daily observation, at 6 A. M.

From 1894 the Stages represent feet and tenths of feet.

## RAINFALL IN THE OHIO VALLEY.

Annual Rainfall at various points in the Ohio Valley, prepared from reports of the U. S. Weather Bureau, in inches and hundredths of an inch:

| POINTS. | 1894 | 1895 | 1896 | 1897 | 1898 | 1899 | 1900 | 1901 | 1902 | 1903 | 1904 | 1905 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Pittsburgh | 28.17 | 27.50 | 44.35 | 35.08 | 35.76 | 33.85 | 25.73 | 40.76 | 32.22 | 38.81 | 33.76 | 35.19 |
| Cincinnati | 26.58 | 29.33 | 34.48 | 43.89 | 38.97 | 34.69 | 27.78 | 17.99 | 37.30 | 34.69 | 29.54 | 38.69 |
| Louisville | 38.08 | 38.86 | 48.22 | 43.96 | 51.00 | 37.86 | 38.04 | 29.53 | 41.65 | 33.69 | 29.25 | 49.34 |
| Cairo | 30.51 | 33.57 | 39.36 | 44.10 | 48.66 | 42.42 | 36.89 | 31.68 | 33.07 | 32.91 | 32.00 | 39.48 |
| Columbus, O | 29.49 | 30.74 | 40.53 | 41.15 | 41.31 | 28.45 | 30.30 | 26.53 | 34.23 | 28.14 | 31.48 | 35.13 |
| Indianapolis | 31.13 | 33.54 | 39.84 | 42.15 | 44.10 | 36.87 | 38.45 | 30.33 | 37.70 | 32.46 | 45.42 | 33.27 |
| Chattanooga | 37.22 | 46.36 | 37.77 | 45.29 | 40.47 | 54.18 | 46.78 | 53.44 | 32.90 | 45.17 | 32.68 | 45.68 |
| Memphis | 54.52 | 38.59 | 35.00 | 46.03 | 48.58 | 38.99 | 47.42 | 34.58 | 50.32 | 36.17 | 42.56 | 55.85 |
| Nashville | 41.96 | 42.83 | 40.21 | 44.03 | 50.02 | 44.44 | 48.54 | 38.11 | 43.90 | 43.03 | 37.26 | 47.12 |

# RIVER COMMERCE.

Receipts and shipments of Merchandise, by river, at Cincinnati, for two years, each year ending December 31, as indicated:

| ARTICLES. | RECEIPTS. | | SHIPMENTS. | |
|---|---|---|---|---|
| | 1905 | 1904 | 1905 | 1904 |
| Ale, Beer and Porter, bbls. | 67 | 94 | 9,523 | 6,829 |
| Apples, Green, bbls. | 15,242 | 4,776 | 3,004 | 3,134 |
| Beef, lbs. | ..... | ..... | ..... | 2,100 |
| Boots and Shoes, cases. | 1,831 | 1,917 | 12,944 | 10,708 |
| Butter, tubs, etc. | 3,941 | 3,192 | 440 | 252 |
| Butterine, lbs. | 200 | 120 | 56,630 | 9,340 |
| Castings, tons | 558 | 448 | 231 | 131 |
| Cattle, head. | 6,927 | 4,116 | 916 | 1,127 |
| Cement and Plaster, bbls. | 914 | 1,004 | 3,591 | 4,707 |
| Cheese, boxes. | 188 | 121 | 7,615 | 3,081 |
| Coffee, bags. | 326 | 52 | 10,079 | 9,099 |
| Cooperage, pieces. | 29,754 | 24,407 | 11,083 | 6,059 |
| Corn, bush. | 35,659 | 12,470 | 8,042 | 38,217 |
| Cotton, bales. | 1,353 | 28 | 127 | 24 |
| Crockery, pkgs. | 14,527 | 6,244 | 2,846 | 1,227 |
| Eggs, cases, etc. | 22,118 | 20,128 | 3,151 | 5,609 |
| Feathers, lbs. | 26,773 | 21,197 | 3,300 | 5,100 |
| Flour, bbls. | 6,136 | 3,394 | 6,663 | 8,703 |
| Fresh Meats, lbs | 1,300 | 1,000 | 11,400 | 14,900 |
| Fruit, Dried, lbs. | 207,453 | 47,029 | 93,000 | 28,376 |
| Furniture, pkgs. | ..... | ..... | 17,723 | 12,779 |
| Glass, Window, boxes. | 1,520 | 6,690 | 1,872 | 1,778 |
| Glassware, pkgs. | 52,726 | 48,536 | 37,092 | 27,083 |
| Hardware, pkgs. | 15,240 | 9,005 | 30,845 | 23,098 |
| Hay, tons. | 3,199 | 4,278 | 189 | 586 |
| Hides, number. | 21,705 | 13,550 | 3,628 | 1,401 |
| Hog Product—Bacon, lbs. | 16,540 | 4,550 | 524,215 | 265,441 |
| D. S. Meats, loose, lbs. | ..... | 3,000 | 40,900 | 142,940 |
| D. S. Meats, in boxes, lbs | 65,000 | 3,500 | 1,056,500 | 410,500 |
| Hams, lbs. | 41,070 | 500 | 329,310 | 194,310 |
| Lard, lbs. | 85,950 | 2,820 | 1,000,037 | 541,181 |
| Pork, bbls. | 57 | 1 | 103 | 94 |
| Hogs, head. | 44,696 | 56,231 | 331 | 233 |
| Horses, head. | 2,127 | 1,894 | 1,384 | 1,219 |
| Iron and Steel, tons. | 2,346 | 2,550 | 1,509 | 786 |
| Iron and Steel, Scrap, tons. | 87 | 9 | ..... | 1 |
| Iron, Pig, tons. | 1 | ..... | ..... | ..... |
| Leather, bundles. | 3,685 | 2,899 | 2,170 | 1,454 |
| Lumber, square feet. | 9,315,000 | 7,935,000 | 75,000 | 135,000 |
| Manufactures, sundry, pieces. | ..... | ..... | 5,228 | 3,832 |
| Merchandise, tons. | 42,326 | 31,566 | 16,656 | 10,559 |
| Molasses, bbls. | 183 | 119 | 431 | 242 |
| Nails, kegs. | 7,560 | 5,893 | 5,399 | 4,149 |
| Oats, bush. | 7,577 | 7,352 | 9,969 | 14,062 |
| Oil, bbls. | 1,434 | 807 | 5,394 | 3,362 |
| Petroleum, bbls. | 206 | 108 | 979 | 1,526 |
| Potatoes, bush. | 30,222 | 5,440 | 18,025 | 25,848 |
| Rice, bbls. | 20 | 2,264 | 588 | 516 |
| Rye, bush. | 34,385 | 9,336 | 2,760 | 1,014 |
| Salt, bbls. | 20,555 | 8,193 | 7,576 | 3,610 |
| Seed—Clover and Timothy, bags. | 612 | 176 | 4,577 | 2,835 |
| Sheep, head. | 11,720 | 11,417 | 651 | 486 |
| Sugar, hhds. | ..... | ..... | ..... | ..... |
| Sugar, bbls. | 23 | 17 | 3,693 | 3,626 |
| Tobacco, Leaf, hhds. | 14,907 | 8,552 | 4,186 | 2,583 |
| Tobacco, Leaf, cases and bales. | 45 | 17 | 48 | 36 |
| Tobacco, Manufactured, pkgs. | 430 | 426 | 2,158 | 1,717 |
| Wheat, bush. | 54,104 | 27,789 | 8,258 | 11,547 |
| Whisky, bbls. | 18,720 | 21,479 | 13,914 | 16,942 |
| Wines and Liquors, bbls. | 81 | 297 | 1,266 | 750 |
| Wines and Liquors, boxes and baskets. | 11,791 | 10,199 | 11,437 | 4,073 |
| Wool, bales. | 399 | 547 | 603 | 333 |

# DAILY STAGES OF WATER FOR TWELVE MONTHS ENDING DECEMBER 31, 1905.

In the Ohio River at Cincinnati, daily, in feet and tenths, at 6:00 a. m.; and in the Ohio at Pittsburgh and Point Pleasant; the Kanawha at Charleston; daily, except Sunday, about 7:00 a. m.

| 1905 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JANUARY. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pittsburgh .. | 5.8 | 5.2 | 4.7 | 5.3 | 5.3 | 4.0 | 3.5 | 3.2 | 2.8 | 3.0 | 2.6 | 2.6 | 11.0 | 14.8 | 9.9 | 6.8 | 4.8 | 4.1 | 3.9 | 4.0 | 3.9 | 3.9 | 3.7 | 3.6 | 3.0 | 2.8 | 1.9 | 1.7 | 1.5 | 1.5 | 1.5 |
| Charleston .. | 7.0 | 7.0 | 7.0 | 7.0 | 7.5 | 7.6 | 7.8 | 7.8 | 7.8 | 4.0 | 3.6 | 4.3 | 10.5 | 11.3 | 7.8 | 6.8 | 5.7 | 4.6 | 4.6 | 4.0 | 3.0 | 4.1 | 4.0 | 4.0 | 4.0 | 3.8 | 2.1 | 2.0 | 1.5 | 1.5 | 1.7 |
| Pt. Pleasant.. | 16.4 | 14.4 | 12.9 | 8.6 | 7.7 | 7.0 | 7.6 | 7.6 | 6.8 | 7.1 | 5.7 | 5.3 | 6.9 | 15.4 | 16.4 | 19.7 | 17.7 | 13.7 | 11.2 | 9.1 | 7.8 | 7.1 | 6.8 | 6.7 | 6.2 | 5.5 | 5.1 | 4.0 | 4.0 | 3.6 | 3.0 |
| Cincinnati ... | 16.8 | 19.0 | 19.4 | 17.5 | 15.8 | 14.3 | 12.9 | 12.1 | 11.8 | 12.1 | 12.5 | 12.7 | 13.7 | 12.2 | 13.4 | 21.3 | 22.4 | 24.0 | 23.0 | 21.0 | 17.3 | 15.3 | 14.3 | 12.9 | 12.0 | 11.5 | 11.2 | 11.1 | 10.3 | 10.0 | 9.4 |
| FEBRUARY. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pittsburgh .. | 1.5 | 1.6 | 1.5 | 1.4 | 1.2 | 1.0 | 1.1 | 1.1 | 1.3 | 2.0 | 7.3 | 5.9 | 4.7 | 4.7 | 5.3 | 4.7 | 3.5 | 2.9 | 2.7 | 2.5 | 2.0 | 1.9 | 2.2 | 3.1 | 3.8 | 4.0 | 4.7 | 5.2 | | | |
| Charleston .. | 2.3 | 2.0 | 2.0 | 2.0 | 1.7 | 1.7 | 1.7 | 1.7 | 3.5 | 6.5 | 6.5 | 6.0 | 5.3 | 6.0 | 6.0 | 5.8 | 4.9 | 4.6 | 4.6 | 4.6 | 3.9 | 4.1 | 5.4 | 8.5 | 7.5 | 7.5 | 7.5 | 7.2 | | | |
| Pt. Pleasant.. | 2.7 | 2.9 | 2.6 | 3.0 | 3.4 | 3.2 | 3.7 | 3.7 | 3.7 | 5.5 | 8.7 | 10.6 | 8.1 | 7.8 | 10.7 | 9.6 | 8.3 | 7.5 | 7.4 | 7.0 | 6.2 | 5.9 | 6.1 | 8.5 | 10.1 | 10.0 | 10.6 | 11.7 | | | |
| Cincinnati ... | 8.9 | 8.6 | 10.2 | *.... | *.... | *.... | *.... | *.... | *.... | *.... | 12.1 | 17.5 | 29.3 | 29.9 | 28.8 | 28.0 | 28.1 | 28.1 | 28.1 | 27.6 | 27.4 | 27.9 | 28 0 | 27.7 | 31.4 | 33.3 | 23.1 | 33.7 | | | |
| MARCH. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pittsburgh .. | 5.0 | 4.4 | 4.0 | 3.6 | 3.7 | 6.0 | 4.7 | 7.0 | 15.0 | 18.2 | 19.4 | 14.3 | 9.9 | 8.3 | 7.6 | 6.6 | 6.5 | 8.5 | 14.2 | 24.7 | 27.3 | 29.0 | 24.1 | 17.6 | 15.3 | 15.4 | 14.6 | 13.7 | 12.2 | 10.8 | 9.5 |
| Charleston .. | 6.4 | 6.0 | 6.8 | 7.0 | 6.9 | 7.6 | 7.8 | 8.5 | 13.5 | 27.0 | 25.3 | 17.5 | 11.8 | 9.0 | 7.5 | 7.0 | 6.5 | 6.5 | 6.5 | 7.0 | 8.0 | 9.8 | 10.8 | 8.5 | 7.3 | 7.2 | 7.0 | 6.4 | 6.0 | 5.5 | 5.2 |
| Pt. Pleasant . | 12.1 | 11.9 | 11.8 | 12.3 | 11.8 | 11.4 | 11.4 | 13.0 | 19.3 | 34.0 | 42.5 | 42.8 | 39.5 | 33.8 | 26.7 | 20.2 | 16.2 | 13.9 | 13.0 | 15.0 | 25.5 | 35.4 | 41.8 | 44.0 | 44.1 | 41.5 | 36.4 | 30.9 | 26.8 | 23.8 | 21.4 |
| Cincinnati ... | *.... | 29.0 | 24.1 | 21.2 | 20.1 | 19.5 | 18.2 | 19.1 | 24.5 | 27.9 | 38.6 | 45.4 | 48.1 | 47.9 | 45.3 | 40.9 | 35.6 | 29.6 | 25.3 | 22.3 | 21.2 | 28.8 | 37.1 | 42.2 | 45.0 | 46.8 | 47.0 | 45.4 | 42.2 | 38.7 | 35.2 |
| APRIL. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pittsburgh .. | 8.3 | 7.2 | 5.9 | 5.1 | 4.7 | 4.4 | 4.4 | 4.8 | 5.2 | 4.9 | 6.5 | 9.0 | 8.3 | 6.9 | 6.0 | 5.1 | 4.5 | 4.1 | 3.9 | 3.7 | 3.9 | 6.0 | 9.5 | 9.2 | 7.5 | 6.3 | 5.2 | 5.8 | 6.3 | 5.7 | |
| Charleston .. | 5.2 | 5.0 | 5.0 | 4.6 | 4.5 | 4.5 | 9.5 | 8.4 | 8.0 | 7.0 | 6.5 | 6.2 | 6.1 | 6.1 | 5.8 | 5.3 | 5.2 | 5 0 | 4.8 | 4.5 | 7.6 | 4.5 | 7.8 | 7.9 | 7.3 | 7.0 | 7.2 | 9.0 | 8.8 | 8.3 | |
| Pt. Pleasant.. | 19.0 | 16.7 | 14.8 | 12.9 | 11.2 | 10.0 | 10.5 | 11.5 | 12.1 | 11.7 | 11.1 | 11.5 | 13.1 | 14.7 | 15.0 | 13.7 | 12.0 | 10.5 | 9.0 | 8.0 | 7.4 | 8.0 | 9.8 | 11.4 | 13.4 | 14.7 | 14.1 | 13.8 | 13.7 | 12.5 | |
| Cincinnati ... | 31.3 | 28.4 | 26.0 | 23.8 | 21.9 | 20.0 | 18.7 | 15.5 | 16.7 | 17.4 | 19.0 | 19.0 | 18.5 | 19.3 | 19.8 | 21.0 | 21.4 | 20.5 | 19.2 | 17.5 | 15.9 | 17.5 | 14.2 | 14.0 | 14.9 | 17.0 | 19.0 | 20.2 | 21.5 | 22.7 | |
| MAY. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pittsburgh .. | 4.9 | 4.3 | 3.8 | 3.2 | 3.2 | 4.4 | 5.8 | 5.8 | 5.8 | 5.8 | 4.9 | 4.8 | 7.8 | 9.8 | 8.4 | 9.8 | 8.2 | 6.5 | 5.6 | 5.0 | 4.5 | 3.8 | 5.8 | 6.3 | 5.8 | 5.5 | 5.6 | 6.2 | 6 3 | 6.4 | 6.3 |
| Charleston .. | 7.8 | 7.2 | 7.2 | 6.6 | 7.0 | 8.2 | 6.9 | 6.6 | 6.6 | 6.2 | ..... | 12.8 | 27.7 | 22.2 | 14.2 | 12.8 | 13.0 | 11.9 | ..... | 7.3 | 6.8 | 6.0 | 5 5 | 5.0 | 4.4 | 4.2 | 4.4 | 5.5 | 5.5 | 7.0 | 5.5 |
| Pt. Pleasant.. | 11.9 | 11.1 | 9.7 | 8.6 | 7.4 | 6.8 | 8.2 | 8.5 | 8.0 | 8.2 | 8.3 | 15.7 | 32.1 | 35.9 | 32.0 | 29.4 | 28.0 | 26.2 | 23.2 | ..... | 15.0 | 12.6 | 10.5 | 9.2 | 8.0 | 6.8 | 6.0 | 5.2 | 5.7 | 5.4 | 5.7 |
| Cincinnati ... | 22.9 | 22.0 | 20.6 | 18.9 | 17.4 | 16.0 | 14.8 | 13.7 | 13.9 | 14.8 | 16.2 | 28.7 | 35.5 | 41.7 | 47.5 | 48 2 | 46.3 | 43.4 | 40.1 | 36.8 | 33.1 | 28.9 | 24.9 | 21.9 | 19.4 | 17.1 | 16.0 | 14.3 | 12.9 | 15.4 | 12.9 |
| JUNE. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pittsburgh .. | 6.2 | 6.9 | 6.9 | 5.7 | 5.5 | 5.8 | 5.7 | 7.0 | 5.7 | 4.4 | 3.9 | 4.8 | 6.4 | 4.6 | 4.0 | 3.2 | 6.4 | 4.8 | 6.2 | 9.3 | 7.4 | 6.7 | 10.6 | 9.3 | 8.1 | 7.5 | 5.9 | 5.7 | 4.6 | 3.5 | |
| Charleston .. | 7 6 | 7.6 | 7.0 | 7.0 | 7.0 | 6.2 | 7.0 | 7.0 | 6.8 | 6.0 | 6.2 | 6.2 | 6.8 | 6.8 | 6.8 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.8 | 7.8 | 7.9 | 16.8 | 6.5 | 4.9 | 6.0 | |
| Pt. Pleasant.. | 7.1 | 6.9 | 6.2 | 5.5 | 5.4 | 5.5 | 6.2 | 5.4 | 4.8 | 6.1 | 8.4 | 8.8 | 7.9 | 7.8 | 7.8 | 8.0 | 8.0 | 8.6 | 7.6 | 8.6 | 8.8 | 10.0 | 12.4 | 15.2 | 17.2 | 17.8 | 17.5 | 15.6 | 12.7 | 10.4 | |
| Cincinnati ... | 14.9 | 13.7 | 13.7 | 13.8 | 13.1 | 13.0 | 14.2 | 14 7 | 15.0 | 14.4 | 12.6 | 11 9 | 13.3 | 14.9 | 14.5 | 14.2 | 14.1 | 14.3 | 14.4 | 14.4 | 16.9 | 17.0 | 17.8 | 19.0 | 22.0 | 22.5 | 24.0 | 24.2 | 24.0 | 22.9 | |

*River Frozen.

| 1905 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JULY. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pittsburgh .. | 5.2 | 4.8 | 6.5 | 6.3 | 6.7 | 6.4 | 7 4 | 5.9 | 6.4 | 5.2 | 4 4 | 4.5 | 4.8 | 5.1 | 5.4 | 4.8 | 4.0 | 3.2 | 2.9 | 6.3 | 7.6 | 5.7 | 4.6 | 6.0 | 5.9 | 5.8 | 5.6 | 5.8 | 5.0 | 5.4 | 9.9 |
| Charleston .. | 5.8 | 6.0 | 6.2 | 7.2 | 7.2 | 8.0 | 7.6 | 8.0 | 8.0 | 8.0 | 7.2 | 17.7 | 6.0 | 17.2 | 14.6 | 7.8 | 7.0 | 6.0 | 5.3 | 4.9 | 6.8 | 7.9 | 8.9 | 9.6 | 11.7 | 6.5 | 5.6 | 4.9 | 4.7 | 7.4 | 7.6 |
| Pt. Pleasant.. | 8.6 | 7 4 | 6.3 | 6.2 | 7.7 | 7.1 | 8.2 | 18.8 | 9.1 | 9.8 | 9.8 | 9.0 | 8.8 | 11.5 | 16 4 | 14.5 | 12.9 | 11.2 | 9.5 | 7.8 | 7.0 | 6.3 | 7 7 | 10.5 | 11.7 | 9.8 | 7.5 | 6.9 | 6.0 | 4.1 | 4.7 |
| Cincinnati ... | 21.0 | 18 6 | 16.0 | 14.8 | 14.3 | 13.9 | 13.7 | 13.6 | 13.5 | 14.9 | 15.9 | 16.1 | 16.3 | 15.3 | 14.6 | 16.2 | 20.9 | 20.4 | 18.5 | 16.9 | 15.7 | 14.4 | 13.2 | 14.4 | 15.1 | 16.8 | 17.2 | 16.5 | 14.6 | 13.6 | 12.8 |
| AUGUST. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pittsburgh .. | 8.0 | 5.5 | 4.1 | 3.2 | 5.5 | 5.8 | 5.7 | 5.9 | 6.2 | 6.2 | 5 3 | 6.2 | 6.0 | 6 4 | 5.7 | 6.8 | 7.7 | 5.7 | 4.2 | 3.2 | 5.9 | 4.6 | 5.7 | 5.0 | 6.3 | 6.7 | 7.7 | 6.7 | 6.0 | 6.0 | 5.7 |
| Charleston .. | 7.2 | 7.0 | 7.6 | 7.8 | 7.2 | 6.9 | 7 0 | 7.2 | 7.4 | 7.6 | 7.8 | 7.5 | 8.6 | 7.6 | 7.7 | 7.6 | 8.8 | 7.6 | 7.3 | 7.1 | 7.6 | 7.2 | 7.4 | 7.6 | 7.1 | 7.6 | 6.6 | 7.6 | 7.4 | 7.7 | 6.8 |
| Pt. Pleasant.. | 5 2 | 5.3 | 10.8 | 10.2 | 8.2 | 6.7 | 5.2 | 4.9 | 5.2 | 5.5 | 5.2 | 5.1 | 5.3 | 6.1 | 6.7 | 6.8 | 12.1 | 11.0 | 13.0 | 12.5 | ..... | 8.6 | 6.9 | 5.7 | 5.1 | 6.0 | 6.1 | 5.4 | 6.9 | 7.2 | 6.2 |
| Cincinnati ... | 10.5 | 9.6 | 9.2 | 9.5 | 12.7 | 14.7 | 14.5 | 12.8 | 11.4 | 10.3 | 10.1 | 10 9 | 10.7 | 10.6 | 11.8 | 12.6 | 13.7 | 14.7 | 15.8 | 17.3 | 18.4 | 19.0 | 18.2 | 16.9 | 14.7 | 13.5 | 11.8 | 11.0 | 11.0 | 10 8 | 10.7 |
| SEPTEMBER. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pittsburgh... | 6.0 | 5.8 | 5.8 | 6.0 | 6.2 | 6.0 | 5.5 | 5.8 | 5.4 | 5 8 | 6.7 | 6.5 | 6.4 | 5.1 | 3.7 | 3.4 | 6.1 | 5.8 | 6.1 | 6.3 | 6.1 | 6.0 | 5.6 | 6.0 | 5.4 | 5.7 | 5.5 | 5.7 | 5.8 | 5.8 | |
| Charleston... | 7.0 | 6.6 | 6.8 | 8.0 | 7.2 | 8.0 | 7.2 | 6.9 | 7.0 | 6.9 | 6.6 | 6.9 | 6.8 | 7.0 | 7.0 | 7.2 | 6.8 | 7.0 | 7.5 | 7.2 | 6.8 | 7.0 | 6.8 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | 7.0 | |
| Pt. Pleasant.. | 5.2 | 4.2 | 4.4 | 6.1 | 5.4 | 4.5 | 4.3 | 3.4 | 3 0 | 2 7 | 2.7 | 2.6 | 2.5 | 3.0 | 9.2 | 9.5 | 9.0 | 7.1 | 6.0 | 6.0 | 5.6 | 5.8 | 6.0 | 6.0 | 5.5 | 4.7 | 4.1 | 3.6 | 3.2 | 2.9 | |
| Cincinnati... | 11.3 | 11.9 | 11 7 | 10.6 | 9.4 | 8.8 | 9.1 | 10.0 | 7.5 | 8.8 | 8.1 | 7.5 | 7.0 | 6.9 | 6.8 | 6.8 | 8.9 | 13.2 | 14.2 | 14.2 | 13.2 | 12.4 | 12.0 | 11.7 | 11.3 | 11.0 | 10.7 | 10.3 | 9.7 | 8.7 | |
| OCTOBER. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pittsburgh... | 5.8 | 5.8 | 6.2 | 6.2 | 7.2 | 6.7 | 6.5 | 6.3 | 6.1 | 6.0 | 6.2 | 6.2 | 6.0 | 6.7 | 6.6 | 7.0 | 6.2 | 6.0 | 5.7 | 6.3 | 12.4 | 9.4 | 6.8 | 5.2 | 5.0 | 4.5 | 4.5 | 5.6 | 4.7 | 3.8 | 3.3 |
| Charleston... | 6.8 | 6.8 | 7.0 | 7.0 | 7.0 | 6.5 | 7.8 | 7.0 | 7.3 | 7.2 | 7.3 | 7.4 | 7.5 | 7.6 | 7.6 | 7.6 | 7.7 | 7.6 | 6.8 | 6.6 | 6.8 | 6.8 | 6.8 | 6.9 | 6.8 | 7.2 | 7.3 | 7.4 | 7.3 | 7.3 | 7.3 |
| Pt. Pleasant.. | 2.7 | 2.1 | 3.7 | 3.4 | 2.9 | 2.8 | 2.8 | 3.0 | 3.1 | 3 4 | 3.0 | 3.1 | 3.0 | 3.0 | 3.2 | 3.2 | 4.0 | 4.7 | 4.8 | 7.4 | 11.9 | 11.4 | 12.6 | 14.4 | 12.5 | 11-8 | 11.6 | 10.6 | 9.1 | 8.5 | 8.3 |
| Cincinnati... | 8.1 | 7.6 | 7.2 | 7.0 | 7.2 | 8.3 | 8.4 | 8.1 | 7.5 | 7.1 | 6.5 | 7.1 | 7 1 | 7.0 | 7.0 | 7.2 | 7.5 | 7.5 | 7.5 | 10.3 | 10.6 | 11.5 | 15.7 | 17.0 | 17.6 | 20.0 | 17.8 | 19.0 | 18.2 | 17.2 | 16.0 |
| NOVEMBER. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pittsburgh... | 5.0 | 6.4 | 6.7 | 5.8 | 5.1 | 5.6 | 6.0 | 6.6 | 7.6 | 7.8 | 7.4 | 6.8 | 6.3 | 5.7 | 5.5 | 6.3 | 6.0 | 6 5 | 6.6 | 5.7 | 6.4 | 6.0 | 5.7 | 5 8 | 5.8 | 5.8 | 5.8 | 6.2 | 6.5 | 15.0 | |
| Charleston... | 6.8 | 7.3 | 7.3 | 7.0 | 7.3 | 7.4 | 7.4 | 7.3 | 7.3 | 7.3 | 7.3 | 7.4 | 7.5 | 7.4 | 7.3 | 7.3 | 7.0 | 7.0 | 6.8 | 7.1 | 7.1 | 7 5 | 7.4 | 7.3 | 7.3 | 7.2 | 7.2 | 7.2 | 7.0 | 7.2 | |
| Pt. Pleasant.. | 7.5 | 6.5 | 5.9 | 5.4 | 5.5 | 5.6 | 6.3 | 6.5 | ..... | 6.5 | 7 3 | 7.9 | 7.8 | 7.2 | 6.8 | 6.3 | 5.9 | 5.6 | 5.5 | 5.7 | 5.5 | 5.8 | 5.9 | 5.5 | 5.4 | 5.1 | 4.9 | 4.5 | 5.5 | 15.3 | |
| Cincinnati... | 15.0 | 14.0 | 13.6 | 12.6 | 11.9 | 11.4 | 11.0 | 10.7 | 10.7 | 11.0 | 12.2 | 12.0 | 11.9 | 12.5 | 12.7 | 12.7 | 12.1 | 11.9 | 11.0 | 10.8 | 10.6 | 10.5 | 10.6 | 10.5 | 10.6 | 10.9 | 10.8 | 10.2 | 13.5 | 20.5 | |
| DECEMBER. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pittsburgh... | 15.5 | 11.3 | 14.4 | 23.1 | 16.8 | 11.7 | 9.0 | 7.6 | 6.1 | 5.8 | 5.2 | 4.8 | 4.2 | 3.8 | 3.4 | 3.0 | 2.8 | ..... | 2.5 | 2.6 | 3 4 | 8.3 | 10.3 | 10.1 | 9.1 | 7.4 | 6.2 | 5.2 | 4.9 | 8.3 | 7.2 |
| Charleston... | 6.5 | 6.5 | 7.8 | 9.3 | 10.3 | 7.8 | 6.2 | 5.3 | 1 9 | 1.7 | 4.7 | 7.2 | 7.4 | 7.4 | 7.1 | 6.9 | 6.8 | 6.7 | 5.4 | 7.2 | 7.0 | 7.4 | 8.1 | 7.7 | 7.0 | 6.5 | 5.7 | 5.5 | 5.1 | 4.9 | 6.0 |
| Pt. Pleasant.. | 18.2 | 19.6 | 25.2 | 30.0 | 33.1 | 34.2 | 32.3 | 27.9 | 20.7 | 1 7 | 13.0 | 11.2 | 10.0 | 9.4 | 8.8 | 11.2 | 11.4 | 10.1 | 8.8 | 8.1 | 8.0 | 10 7 | 14.1 | 17 1 | 19.8 | 19.7 | 18.0 | 15.6 | 13.2 | 11.6 | 13.8 |
| Cincinnati... | 23.1 | 25.8 | 31.7 | 33.9 | 37.4 | 39.0 | 40.0 | 38.9 | 36.8 | 32.7 | 28.4 | 24.4 | 21.8 | 18.7 | 16.8 | 16.0 | 16.2 | 19.0 | 20.4 | 18.5 | 18.0 | 20.3 | 20.5 | 22.0 | 23.5 | 25.4 | 26.5 | 26.1 | 25.0 | 23.7 | 17.9 |

## RAINFALL AT CINCINNATI.

Monthly and annual Rainfall, at Cincinnati, together with the average in the whole period, in inches and hundredths of an inch:

| YEARS. | January. | February. | March. | April. | May. | June. | July. | August. | September. | October. | November. | December. | Total. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1844 | 3.10 | 1.04 | 4.50 | 3.13 | 7.00 | 6.16 | 3.50 | 3.65 | 1.26 | 4.32 | 3.18 | 1.10 | 41.94 |
| 1845 | 3.03 | 1.66 | 5.46 | 1.08 | 1.89 | 11.50 | 3.06 | 6.88 | 7.51 | 2.03 | 1.68 | .60 | 46.38 |
| 1846 | 3.59 | 3.20 | 2.26 | 3.51 | 5.17 | 7.53 | 3.93 | 6.10 | 2.50 | 2.19 | 4.26 | 9.25 | 53.49 |
| 1847 | 4.71 | 4.06 | 5.37 | 2.12 | 4.30 | 7.63 | 8.25 | 3.20 | 3.87 | 9.57 | 3.95 | 8.15 | 65.18 |
| 1848 | 4.58 | 2.81 | 6.72 | .55 | 5.13 | 1.86 | 6.95 | 3.90 | 1.53 | 3.62 | 2.60 | 9.43 | 49.68 |
| 849 | 6.48 | 2.04 | 4.70 | 3.65 | 3.61 | 4.90 | 8.90 | 4.41 | 2.68 | 3.86 | 2.42 | 5.32 | 52.97 |
| 1850 | 5.20 | 6.28 | 6.62 | 4.27 | 1.86 | 5.00 | 6.30 | 7.20 | 2.22 | 1.05 | 2.54 | 6.22 | 54.76 |
| 1851 | .65 | 6.15 | 3.04 | 1.80 | 3.30 | 2.10 | 3.25 | 2.55 | .43 | 2.60 | 3.25 | 3.37 | 32.49 |
| 1852 | 2.03 | 5.20 | 5.16 | 5.80 | 3.15 | 5.25 | 2.05 | 4.35 | 4.15 | 2.75 | 4.57 | 9.89 | 54.35 |
| 1853 | 1.53 | 5.14 | 2.14 | 7.70 | 2.21 | 1.90 | 4.81 | 2.16 | 4.70 | 3.78 | 3.30 | .73 | 40.10 |
| 1854 | 4.10 | 5.57 | 8.33 | 2.97 | 7.29 | 4.84 | 2.32 | 3.18 | 2.12 | 3.01 | 3.66 | 3.38 | 50.77 |
| 1855 | 3.71 | 1.58 | 3.66 | 3.05 | 5.24 | 8.10 | 4.35 | 4.25 | 2.98 | 1.31 | 5.22 | 3.28 | 46.73 |
| 1856 | 1.00 | 2.49 | 1.51 | .73 | 1.23 | 2.24 | 3.43 | .61 | 3.62 | 1.74 | 2.09 | 2.19 | 22.88 |
| 1857 | .54 | 1.98 | .76 | 2.73 | 5.53 | 3.09 | 2.50 | 2.92 | .75 | 4.92 | 5.36 | 3.82 | 34.90 |
| 1858 | 2.56 | 1.74 | 1.05 | 4.34 | 8.32 | 5.69 | 3.01 | 7.97 | .85 | 4.66 | 2.57 | 6.41 | 49.17 |
| 1859 | 2.58 | 5.92 | 4.38 | 7.53 | 2.32 | 3.22 | 1.24 | 3.79 | 2.10 | 1.28 | 4.46 | 3.75 | 42.57 |
| 1860 | 1.43 | 1.56 | .41 | 5.32 | 3.68 | 1.55 | 7.97 | .92 | 4.34 | 1.28 | 3.53 | 1.85 | 33.84 |
| 1861 | 2.68 | 1.81 | 2.08 | 3.88 | 5.91 | 3.80 | 3.62 | 7.10 | 2.94 | 3.77 | 3.62 | 1.10 | 42.31 |
| 1862 | 4.74 | 2.36 | 5.84 | 6.30 | 3.32 | 3.02 | 3.05 | 1.49 | .93 | .80 | 3.97 | 3.01 | 38.83 |
| 1863 | 5.55 | 3.05 | 4.37 | 2.13 | 2.84 | 3.11 | 3.21 | 2.99 | 3.10 | 3.85 | 2.05 | 3.80 | 40.05 |
| 1864 | 1.85 | .99 | .90 | 2.43 | 2.34 | 3.43 | 1.25 | 3.42 | 8.64 | 2.92 | 3.40 | 2.94 | 34.51 |
| 1865 | 2.45 | 2.43 | 4.40 | 3.89 | 7.72 | 2.59 | 7.77 | 2.26 | 5.76 | .86 | .56 | 3.89 | 44.68 |
| 1866 | 3.36 | 1.10 | 5.22 | 2.49 | .98 | 4.43 | 7.82 | 6.31 | 10.07 | 1.83 | 1.57 | 1.72 | 46.90 |
| 1867 | 1.27 | 5.32 | 1.93 | 3.20 | 4.48 | 3.67 | 2.08 | 1.13 | .65 | 3.10 | 1.66 | 3.66 | 32.10 |
| 1868 | 7.29 | .88 | 5.41 | 3.30 | 6.01 | 7.26 | 1.80 | 6.65 | 8.21 | 1.10 | 1.16 | 1.64 | 50.71 |
| 1869 | 2.17 | 3.05 | 5.14 | 3.05 | 5.93 | 3.00 | 5.36 | 1.20 | 3.20 | 2.75 | 3.16 | 3.50 | 41.51 |
| 1870 | 6.20 | 2.98 | 4.00 | 1.42 | 1.90 | 5.35 | 5.56 | 1.10 | .70 | 3.23 | 1.40 | 2.35 | 36.19 |
| 1871 | 2.48 | 5.10 | 4.30 | 1.30 | 5.45 | 2.15 | 4.75 | 6.90 | 1.23 | 1.10 | 4.28 | 3.27 | 42.31 |
| 1872 | 6.05 | 1.66 | 1.47 | 4.81 | 4.10 | 3.81 | 7.82 | 2.21 | 1.62 | 3.33 | 1.12 | 2.43 | 40.43 |
| 1873 | 2.66 | 3.76 | 2.36 | 2.89 | 3.50 | 3.58 | 3.94 | 4.69 | 2.24 | 2.79 | 2.50 | 6.47 | 41.38 |
| 1874 | 3.95 | 5.91 | 3.65 | 4.06 | 1.38 | 2.58 | 3.42 | 1.03 | 2.33 | 1.31 | 5.35 | 2.58 | 37.55 |
| 1875 | 1.59 | 1.83 | 3.69 | 2.12 | 3.92 | 4.83 | 9.63 | 3.17 | .65 | 3.05 | 4.35 | 3.75 | 42.58 |
| 1876 | 9.59 | 2.92 | 5.07 | 3.26 | 1.25 | 6.67 | 6.91 | 6.38 | 3.17 | 4.26 | 2.36 | .88 | 52.72 |
| 1877 | 2.33 | .67 | 5.47 | 2.32 | 1.76 | 5.24 | 4.25 | 2.26 | 1.66 | 1.85 | 3.49 | 3.35 | 34.65 |
| 1878 | 4.33 | 2.33 | 4.03 | 3.05 | 2.53 | 5.03 | 4.32 | 4.11 | 2.84 | 2.39 | 2.77 | 3.89 | 41.62 |
| 1879 | 2.20 | 2.22 | 5.30 | 2.14 | 4.23 | 5.22 | 2.75 | 11.72 | 4.01 | .65 | 4.05 | 7.11 | 51.60 |
| 1880 | 5.14 | 4.50 | 4.15 | 5.82 | 5.70 | 9.86 | 2.46 | 4.01 | 1.37 | 2.98 | 4.42 | 4.26 | 54.67 |
| 1881 | 3.76 | 4.95 | 3.51 | 3.25 | 2.23 | 7.82 | 3.12 | .76 | 2.10 | 6.01 | 4.06 | 5.67 | 47.24 |
| 1882 | 6.02 | 7.04 | 6.17 | 2.71 | 8.47 | 4.34 | 2.91 | 5.75 | 3.16 | 1.59 | 1.57 | 2.39 | 52.12 |
| 1883 | 2.82 | 8.22 | 3.48 | 3.72 | 5.49 | 3.61 | 2.21 | 2.10 | 1.84 | 8.39 | 4.87 | 5.61 | 52.36 |
| 1884 | 2.21 | 8.87 | 2.63 | 3.02 | 5.56 | 2.77 | 1.73 | 2.05 | 3.87 | 1.35 | 1.23 | 3.99 | 39.28 |
| 1885 | 5.80 | 2.67 | .56 | 3.34 | 2.07 | 3.98 | 1.40 | 4.95 | 2.72 | 2.30 | 2.33 | 1.82 | 33.94 |
| 1886 | 2.83 | 1.65 | 2.27 | 2.23 | 4.11 | 5.26 | 3.07 | 2.91 | 1.30 | .82 | 3.23 | 1.67 | 31.35 |
| 1887 | 2.37 | 7.29 | 2.07 | 5.86 | 3.62 | 2.64 | 1.31 | 2.81 | 1.93 | .55 | 2.83 | 1.80 | 35.08 |
| 1888 | 2.78 | 1.37 | 3.94 | 1.14 | 2.70 | 1.75 | 2.46 | 7.80 | 1.79 | 3.05 | 4.78 | 1.32 | 34.88 |
| 1889 | 2.38 | 1.72 | .61 | 1.21 | 2.52 | 4.03 | 4.55 | .26 | 4.31 | 2.03 | 5.28 | 2.02 | 30.92 |
| 1890 | 5.28 | 4.63 | 6.26 | 2.63 | 3.58 | 6.00 | 1.46 | 5.91 | 3.28 | 4.14 | 2.65 | 1.88 | 47.70 |
| 1891 | 3.31 | 3.87 | 4.86 | 1.55 | 1.08 | 4.83 | 5.13 | 2.83 | 2.65 | 1.16 | 5.03 | 2.14 | 38.44 |
| 1892 | 1.62 | 2.83 | 1.96 | 5.66 | 3.95 | 3.81 | 1.43 | 3.03 | 3.78 | .40 | 2.26 | 1.22 | 31.95 |
| 1893 | 2.87 | 4.84 | 1.93 | 7.10 | 6.40 | 4.45 | 3.79 | .86 | 3.90 | 3.17 | 2.04 | 2.65 | 44.00 |
| 1894 | 2.75 | 3.78 | 2.36 | 1.60 | 2.32 | 4.17 | .13 | 1.98 | 2.46 | .82 | .98 | 3.23 | 26.58 |
| 1895 | 6.13 | .37 | 1.51 | 2.62 | 1.82 | 2.15 | 2.27 | 3.29 | .49 | .73 | 4.66 | 3.29 | 29.33 |
| 1896 | 1.49 | 1.56 | 3.20 | .59 | 2.17 | 2.70 | 7.40 | 3.70 | 5.00 | 2.29 | 3.29 | 1.09 | 34.48 |
| 1897 | 2.48 | 5.27 | 9.89 | 3.08 | 2.46 | 1.87 | 6.71 | 1.91 | .64 | .46 | 6.80 | 2.32 | 43.89 |
| 1898 | 7.76 | 2.21 | 6.70 | 1.15 | 3.03 | 1.58 | 3.26 | 2.61 | 2.62 | 2.90 | 2.69 | 2.46 | 38.97 |
| 1899 | 3.32 | 2.04 | 5.94 | 1.21 | 4.33 | 3.27 | 1.58 | 3.65 | 2.18 | 1.64 | 2.60 | 2.93 | 34.69 |
| 1900 | 2.54 | 2.22 | 1.75 | 1.43 | 3.94 | 1.01 | 3.48 | 4.17 | .28 | 1.45 | 4.50 | 1.01 | 27.78 |
| 1901 | .87 | 1.35 | 2.01 | 1.93 | 1.62 | 2.27 | 1.44 | .88 | .92 | .59 | .74 | 3.37 | 17.99 |
| 1902 | 2.10 | .38 | 1.47 | 2.87 | 5.54 | 5.25 | 3.47 | .65 | 4.26 | 2.77 | 3.29 | 5.25 | 37.30 |
| 1903 | 2.05 | 5.76 | 4.97 | 3.49 | 3.83 | 3.27 | 2.31 | 2.75 | 1.78 | 1.31 | 1.45 | 1.72 | 34.69 |
| 1904 | 2.66 | 2.66 | 8.17 | 2.28 | 3.70 | 2.60 | .80 | .41 | 1.28 | .89 | .34 | 3.75 | 29.54 |
| 1905 | 1.80 | 1.76 | 2.46 | 3.14 | 9.52 | 2.36 | 1.04 | 4.66 | 1.54 | 4.85 | 2.75 | 2.81 | 38.69 |
| Avg. 1835-1850. | 3.60 | 3.13 | 3.79 | 3.37 | 4.82 | 5.41 | 4.69 | 4.64 | 3.12 | 3.49 | 3.43 | 4.35 | 47.84 |
| Avg. 1835-1860. | 2.99 | 3.36 | 3.50 | 3.69 | 4.60 | 4.79 | 4.23 | 4.11 | 2.92 | 3.20 | 3 58 | 4.16 | 45.13 |
| Avg. 1835-1870. | 3.20 | 3.09 | 3.62 | 3.56 | 4.47 | 4.56 | 4.21 | 3.90 | 3.34 | 2.98 | 3.21 | 3.78 | 43.92 |
| Avg. 1835-1880. | 3.38 | 3.10 | 3.69 | 3.47 | 4.23 | 4.63 | 4.39 | 4.07 | 3.07 | 2.85 | 3.26 | 3.78 | 43.92 |
| Avg. 1835-1890. | 3.43 | 3.41 | 3.59 | 3.37 | 4.20 | 4.56 | 4.03 | 3.97 | 2.99 | 2.88 | 3.27 | 3.61 | 43.31 |
| Avg. 1835-1900. | 3.43 | 3.33 | 3.66 | 3.26 | 4.04 | 4.32 | 3.95 | 3.79 | 2.90 | 2.67 | 3.30 | 3.40 | 42.05 |
| Avg. 1835-1905. | 3.32 | 3.26 | 3.67 | 3.22 | 4.09 | 4.24 | 3.80 | 3.66 | 2.84 | 2.63 | 3.19 | 3.40 | 41.32 |

# WEATHER SUMMARY.

A very full history of the weather conditions, at Cincinnati, is shown in the accompanying exhibits, covering a wide range of observations, (thermometrical, barometrical, etc.,) prepared especially for the Chamber of Commerce, by Mr. JOHN CRAIG, Observer U. S. Weather Bureau, from data collected by the Government at this station, and furnished by Mr. S. S. BASSLER, Local Forecaster:

## METEOROLOGICAL DATA FOR THE YEAR ENDING DECEMBER 31, 1905.

### TEMPERATURE.

Mean temperature of the year, 54 degrees.

Maximum temperature of the year, June 19th, 94 degrees.

Minimum temperature of the year, February 13th, 5 degrees below zero.

Range of temperature, 99 degrees.

Mean of the coldest month, February, 25 degrees.

Mean of the coldest day, February 13th, 2 degrees.

Mean of the warmest month, July, 76.6 degrees.

Mean of the warmest day, 85 degrees: June 19th.

Greatest monthly range, January, 62 degrees.

Least monthly range, August, 34 degrees.

Greatest daily range, November 29th, 38 degrees.

Least daily range, January 13th, February 23th, December 15th and 17th, 4 degrees.

Mean temperature of autumn, 56 degrees.

Mean temperature of winter, 28 degrees.

Mean temperature of spring, 56 degrees.

Mean temperature of summer, 75 degrees.

### BAROMETRIC OBSERVATIONS.

Mean barometer for the year, 30.07 inches.

Highest barometer for the year, December 5th, 30.75 inches.

Lowest barometer for the year, December 21st, 29.45 inches.

Annual range of the barometer for the year, 0.744 inch.

Highest monthly mean barometer, February, 30.26 inches.

Lowest monthly mean barometer, April, 29.93 inches.

Greatest monthly range of barometer, December, 1.26 inches.

Least monthly range of barometer, July, 0.43 inch.

### WINDS.

Prevailing direction of wind, southwest.

Total movement of wind, 59,797 miles.

Greatest monthly movement of wind, January, 6,122 miles.

Least monthly movement of wind, September, 3,830 miles.

WINDS.

Greatest daily velocity of wind, December 29th, 480 miles.

Least daily velocity of wind, September 27th, 51 miles.

RAIN.

Total rainfall for year, 38.69 inches.

Total rainfall for autumn, 9.14 inches.

Total rainfall for winter, 7.31 inches.

Total rainfall for spring, 15.12 inches.

Total rainfall for summer, 8.06 inches.

HUMIDITY

Mean relative humidity for the year, 68 per cent.

Driest month, April, 59 per cent.

Dampest month, January, 75 per cent.

GENERAL OBSERVATIONS.

First light frost of autumn, October 12th.

First killing frost of autumn, October 22th.

First snow of autumn, October 11th.

First thunderstorm of calendar year, March 24th. Last, December 25th.

Last snow of spring, April 5th.

Last frost of spring, April 22nd.

Total snowfall for the year, 18.1 inches.

MONTHLY CHARACTERISTICS.

*January*, 1905.—Month cold and stormy. The mean temperature, 26 degrees, was 6 degrees below normal. The maximum temperature recorded during the month was 61 degrees, on the 1st; lowest, 1 degree below zero, on the 25th. Monthly precipitation (including melted snow), 1.80 inches, or 1.66 inches below normal. The total snow fall was 10.1 inches—falling on 14 days. Prevailing wind southwest. Maximum velocity of the wind, 26 miles from the west, on the 24th. Solar halos were observed on the 3d and 5th, and a lunar halo on the 17th. Sunshine, 33 per cent of possible.

*February*, 1905.—Weather decidedly cold from 2nd to 4th, inclusive, and from 13th to 16th, inclusive. The mean temperature, 25 degrees, was 11 degrees below normal. The highest temperature, 46 degrees, occurred on the 28th; and the lowest, 5 degrees below zero, occurred on the 13th. Rain or snow fell on 10 days; the monthly precipitation being 1.76 inches, or 1.93 inches below a seasonable amount. Total snowfall, 5.4 inches, of which 3.0 inches fell on the 27th. The prevailing wind was from the west. Maximum velocity of wind, 30 miles from the west, on the 17th. Halos were observed on the 3d, 7th, 16th, 18th, 19th and 24th. Sunshine, 49 per cent of possible.

*March*, 1905.—The mean temperature, 48.6 degrees, was 4.4 degrees above normal. Highest temperature recorded during month, 80 degrees, on the 28th; lowest, 26 degrees, on the 2d. The rainfall for the month, 2.46 inches, was 0.84 inches below normal. Prevailing wind, northeast. Maximum velocity of wind, 36 miles, from the southwest on the 29th. The first thunderstorm of the year occurred on the 24th. Solar halos were observed on the 10th, 13th and 27th, and lunar halos on the 17th and 19th. Dense fog prevailed on the 7th. Sunshine, 50 per cent of possible.

*April*, 1905.—The mean temperature, 54.3 degrees, was 0.3 degrees below normal. Greatest daily range of temperature, 32 degrees, on the 19th; least daily range, 8 degrees, on the 16th. Highest temperature during month, 81 degrees, on the 10th; lowest, 29 degrees, on the 8th. The rainfall, 3.14 inches, was 0.06 inches below normal. Thunderstorms occurred on the 10th, 11th, 12th and 28th. Solar halos observed on the 12th and 13th, and lunar halos on the 11th and 12th. Prevailing direction of wind, west. Maximum velocity of wind, 29 miles, from the southwest, on the 20th, Sunshine, 58 per cent of possible.

*May*, 1905.—Unusually wet month. The mean temperature, 66 degrees, was 1.3 degrees in excess of normal. Highest temperature recorded, 87 degrees, on the 4th; lowest, 42 degrees, on the 1st. Greatest daily range of temperature, 34 degrees, on the 2d; least daily range, 7 degrees, on the 17th. The monthly precipitation, 9.52 inches, was 6.11 inches in excess of a seasonable amount. Excessive rains fell on the 11th, 14th, 29th and 30th. On the 11th and 12th, 3.35 inches of rain fell in 13 hours and 18 minutes, and 1.04 inches in 44 minutes on the 11th. Thunderstorms occurred on the 4th, 5th, 8th, 10th, 11th, 12th, 14th, 16th, 29th and 30th. Solar halos were observed on the 2d, 22d and 29th, and lunar halos on the 12th and 15th. Prevailing direction of wind, southeast. Maximum velocity of wind, 38 miles, from northeast, on the 11th. Sunshine, 61 per cent of possible.

*June*, 1905.—The mean temperature, 74 degrees, was about normal. Greatest daily range of temperature, 25 degrees, on the 30th; least daily range, 8 degrees, on the 23d. Highest temperature recorded during the month, 94 degrees, on the 19th; lowest, 55 degrees, on the 1st. The rainfall, 2.36 inches, was 2.04 inches below normal. Thunderstorms occurred on the 2d, 6th, 7th, 11th, 15th, 18th, 19th and 20th. Prevailing direction of the wind, southwest. Maximum velocity of the wind, 32 miles, from the southwest, on the 6th. Sunshine, 73 per cent of possible.

*July*, 1905.—A dry and pleasant month. The mean temperature, 76.6 degrees, was 0.8 degrees below normal. Highest temperature during the month was 94 degrees, on the 16th; lowest, 59 degrees, on the 25th. The greatest daily range of temperature was 24 degrees, on the 16th; least daily range, 5 degrees, on the 21st. The rainfall, 1.04 inches, was 2.34 inches below a seasonable average. Thunderstorms occurred on the 1st, 6th, 8th, 9th, 10th, 11th, 18th, 21st and 23d. Prevailing direction of wind southwest. Maximum velocity of wind, 28 miles, from the northwest. Sunshine, 70 per cent of possible.

*August*, 1905.—Mean temperature, 75.3 degrees, was about normal. Highest temperature, 92 degrees, on the 6th; lowest, 58 degrees, on the 20th. Greatest daily range of temperature, 28 degrees, on the 21st; least daily range, 7 degrees, on the 10th. The rainfall, 4.66 inches, was 0.94 inches in excess of normal. On the 19th, 1.37 inches of rain fell in 24 hours. Thunderstorms occurred on the 5th, 6th, 7th, 11th, 12th, 13th, 14th, 15th, 19th and 24th. Prevailing direction of wind, southeast. Maximum velocity of wind, 27 miles, from the northwest. Sunshine, 74 per cent of possible.

*September*, 1905.—The mean temperature, 69.6 degrees, was slightly in excess of normal. Highest temperature recorded during the month, 88 degrees, on the 18th; lowest, 48 degrees, on the 27th. Greatest daily range of temperature, 36 degrees, on the 27th; least daily range of temperature, 7 degrees, on the 10th. The rainfall, 1.54 inches, was 0.88 inches below a seasonable amount. Thunderstorms occurred on the 1st, 15th, 17th and 19th. A solar halo was observed on the 29th, and a lunar halo on the 11th. Prevailing direction of wind, southeast. Maximum velocity of wind, 20 miles, from the southwest, on the 19th. Sunshine, 66 per cent of possible.

*October*, 1905.—The mean temperature, 55.7 degrees, was 1.3 degrees in excess of normal. Highest temperature during month, 84 degrees, on the 1st; lowest, 32 degrees, on the 23d. Greatest daily range of temperature, 37 degrees, on the 13th; least, 5 degrees, on the 18th. The rainfall, 4.85 inches, was 2.41 inches in excess of normal. On the 18th and 19th, 2.15 inches fell in 24 hours. The first frost of the autumn occurred on the 12th; the first light snow of the season fell on the 11th; thunderstorm on the 19th; solar halo on the 23d; lunar halo on the 13th. Prevailing direction of wind, northeast. Maximum velocity of wind, 28 miles, from the west, on the 20th. Sunshine, 58 per cent of possible.

*November*, 1905.—The mean temperature, 43.9 degrees, was about normal. Highest temperature recorded during month, 66 degrees, on the 28th; lowest, 23 degrees, on the 30th. Greatest daily range of temperature, 38 degrees on the 29th; least, 6 degrees, on the 30th. The rainfall, 2.75 inches, was 0.88 inches below normal. Solar halos were observed on the 2d, 4th, 12th, 15th and 27th. Lunar halos on the 4th, 8th and 11th. Prevailing direction of wind, southwest. Maximum velocity of the wind 30 miles, from the north, on the 13th. Sunshine, 59 per cent of possible.

*December*, 1905.—The mean temperature, 36.3 degrees, was 0.3 degrees below normal. Highest temperature recorded during month, 54 degrees, on the 9th; lowest, 16 degrees, on the 24th. Greatest daily range of temperature, 24 degrees, on the 26th; least, 4 degrees, on the 17th. The rainfall, 2.81 inches, of which 1.38 inches fell on the 1st and 2d, was 0.34 inches below a seasonable amount. Total snowfall for the month was 2.4 inches. A solar halo was observed on the 9th, and lunar halos on the 5th, 12th and 13th. Maximum velocity of the wind, 33 miles, from the southwest, on the 29th. Prevailing direction of the wind, southwest. Sunshine, 43 per cent of possible.

# POPULATION OF STATES AND TERRITORIES.

Comparative Population of the United States, according to each Census from 1860 to 1900.

| STATES AND TERRITORIES. | 1900 | 1890 | 1880 | 1870 | 1860 |
|---|---|---|---|---|---|
| The United States | 76,303,387 | 62,622,250 | 50,155,783 | 38,558,371 | 31,443,321 |
| Alabama | 1,828,697 | 1,513,017 | 1,262,505 | 996,992 | 964,201 |
| Alaska | 63,592 | ..... | ..... | ..... | ..... |
| Arizona | 122,931 | 59,620 | 40,440 | 9,658 | ..... |
| Arkansas | 1,311,564 | 1,128,179 | 802,525 | 484,471 | 435,450 |
| California | 1,485,053 | 1,208,130 | 864,694 | 560,247 | 379,994 |
| Colorado | 539,700 | 412,198 | 194,327 | 39,864 | 34,277 |
| Connecticut | 908,420 | 746,258 | 622,700 | 537,454 | 460,147 |
| Delaware | 184,735 | 168,493 | 146,608 | 125,015 | 112,216 |
| District of Columbia | 278,718 | 230,392 | 177,624 | 131,700 | 75,080 |
| Florida | 528,542 | 391,422 | 269,493 | 187,748 | 140,424 |
| Georgia | 2,216,331 | 1,837,353 | 1,542,180 | 1,184,109 | 1,057,286 |
| Hawaii | 154,001 | ..... | ..... | ..... | ..... |
| Idaho | 161,772 | 84,385 | 32,610 | 14,999 | ..... |
| Illinois | 4,821,550 | 3,826,351 | 3,077,871 | 2,539,891 | 1,711,951 |
| Indiana | 2,516,462 | 2,192,404 | 1,978,301 | 1,680,637 | 1,350,428 |
| Indian Territory | 392,060 | ..... | ..... | ..... | ..... |
| Iowa | 2,231,853 | 1,911,896 | 1,624,615 | 1,194,020 | 674,913 |
| Kansas | 1,470,495 | 1,427,096 | 996,096 | 364,399 | 107,206 |
| Kentucky | 2,147,174 | 1,858,635 | 1,648,690 | 1,321,011 | 1,155,684 |
| Louisiana | 1,381,625 | 1,118,587 | 939,946 | 726,915 | 708,002 |
| Maine | 694,466 | 661,086 | 648,936 | 626,915 | 628,279 |
| Maryland | 1,188,044 | 1,042,390 | 934,943 | 780,894 | 687,049 |
| Massachusetts | 2,805,346 | 2,238,943 | 1,783,085 | 1,457,351 | 1,231,066 |
| Michigan | 2,420,982 | 2,093,889 | 1,636,937 | 1,184,059 | 749,113 |
| Minnesota | 1,751,394 | 1,301,826 | 780,773 | 439,706 | 172,023 |
| Mississippi | 1,551,270 | 1,289,600 | 1,131,597 | 827,922 | 791,305 |
| Missouri | 3,106,665 | 2,679,184 | 2,168,380 | 1,721,295 | 1,182,012 |
| Montana | 243,329 | 132,159 | 39,159 | 20,595 | ..... |
| Nebraska | 1,066,300 | 1,058,910 | 452,402 | 122,993 | 28,841 |
| Nevada | 42,335 | 45,761 | 62,266 | 42,491 | 6,857 |
| New Hampshire | 411,588 | 376,530 | 346,991 | 318,300 | 326,073 |
| New Jersey | 1,883,669 | 1,444,933 | 1,131,116 | 906,096 | 672,035 |
| New Mexico | 195,310 | 153,593 | 119,565 | 91,874 | 93,516 |
| New York | 7,268,894 | 5,997,853 | 5,082,871 | 4,382,759 | 3,880,735 |
| North Carolina | 1,893,810 | 1,617,947 | 1,399,750 | 1,071,361 | 992,622 |
| North Dakota | 319,146 | 182,719 | 135,177 | 14,181 | ,837 |
| South Dakota | 401,570 | 328,808 | | | |
| Ohio | 4,157,545 | 3,672,316 | 3,198,062 | 2,665,260 | 2,339,511 |
| Oklahoma | 398,331 | 61,834 | ..... | ..... | ..... |
| Oregon | 413,536 | 313,767 | 174,768 | 90,923 | 52,465 |
| Pennsylvania | 6,302,115 | 5,258,014 | 4,282,891 | 3,521,951 | 2,906,215 |
| Rhode Island | 428,556 | 345,506 | 276,531 | 217,353 | 174,620 |
| South Carolina | 1,340,316 | 1,151,149 | 995,577 | 705,606 | 703,708 |
| Tennessee | 2,020,616 | 1,767,518 | 1,542,359 | 1,258,520 | 1,109,801 |
| Texas | 3,048,710 | 2,235,523 | 1,591,749 | 818,579 | 604,215 |
| Utah | 276,749 | 207,905 | 143,963 | 86,786 | 40,273 |
| Vermont | 343,641 | 332,422 | 332,286 | 330,551 | 315,098 |
| Virginia | 1,854,184 | 1,655,980 | 1,512,565 | 1,225,163 | 1,596,318 |
| Washington | 518,103 | 349,390 | 75,116 | 23,955 | 11,594 |
| West Virginia | 958,800 | 762,794 | 618,457 | 442,014 | ..... |
| Wisconsin | 2,069,042 | 1,686,880 | 1,315,497 | 1,054,670 | 775,881 |
| Wyoming | 92,531 | 60,705 | 20,789 | 9,118 | ..... |

**1900**—Includes 91,219 persons in the military and naval service of the United States (including civilian employees, etc.) stationed abroad, not credited to any State or Territory.

**1890**—32,052 persons in Alaska, 180,182 Indians and other persons in Indian Territory, and 145,282 Indians and other persons on Indian reservations, etc., were specially enumerated under the law, but were not included in the general report on population in 1890; Hawaii had a population in 1890 of 89,990, according to the census taken as of December 28, 1890, under the direction of the Hawaiian Government; including these persons, the total population was 63,069,756.

NOTE.—The Territories are Alaska, Arizona, District of Columbia, Hawaii, Indian Territory, New Mexico and Oklahoma.

# RULES

FOR THE

# REGULATION OF THE DAILY SESSIONS

OF THE

## CINCINNATI CHAMBER OF COMMERCE,

IN FORCE JUNE 1, 1905.

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RULE 1. The doors of the Exchange Hall shall be opened at 10 o'clock A. M. and closed at 2:30 P. M., city time, except on Sundays, legal holidays, and days on which an adjournment may have been effected, when the Hall will be closed.

RULE 2. The daily sessions of the Association shall be held between 11:30 A. M. and 1:30 o'clock, P. M., city time, except on Saturdays, when the session shall be held between 10 o'clock, A. M., and 12 o'clock, noon.

RULE 3. Visitors who are non-residents of Cincinnati and the adjacent cities, may be admitted to the Exchange Hall after 10 o'clock A. M. when introduced by a member of the Association; but no person shall be admitted more than seven times, within three months, except upon the approval of a member of the Board of Directors for each admission. All persons, so introduced, must consider themselves amenable to the Rules of the Chamber of Commerce, and will not be permitted to transact any business. Any violation of this rule will make the member introducing such party liable to the payment of the sum of twenty-five dollars for each offense. A book shall be kept, in which the names of all visitors, with their places of residence, and the names of the persons introducing them, shall be daily registered, the same to be open to the inspection of members. No person shall be introduced as a visitor who, being in arrears to a member upon any business transaction, refuses to arbitrate and adjust the same before the proper Committees of the Chamber of Commerce.

RULE 4. Pastors of Churches in Cincinnati and adjacent cities, on application of members of their respective congregations who are members of this Association, the Judges of the Courts, the Mayor, the heads of Charitable Institutions, not engaged in business of any kind, and Officers of the U. S. Army and Navy, stationed here, and official representatives of foreign nations located at Cincinnati, in the discretion of the President, and such other distinguished citizens as may be authorized by the Board of Directors, may have issued to them complimentary tickets of admission to the Exchange Hall, good until the close of the calendar year for which they are issued. A complete record of all such tickets shall be kept; but in no case shall persons so admitted be allowed to transact any business, and any violation of this regulation shall be good cause for the withdrawal of such tickets.

RULE 5. The Exchange Hall may be used by auctioneers who are members of the Chamber of Commerce, for the sale of stocks, bonds and other property, upon compliance with and completion of conditions and requirements as follows:

1. An application for privilege for an auction sale must first be addressed and delivered to the Superintendent of the Chamber of Commerce, whereupon the Superintendent shall submit the application to members of the Board of Directors, and the signatures of eight members of the Board will be necessary to authorize such sale, or such sale can be authorized by action of the Board of Directors at any meeting.

2. The time for an auction sale as herein provided for, shall be 1:30 o'clock P. M., and the sale must begin within five minutes of the time announced. When two or more sales for the same date have been authorized they shall take place one after another immediately, and in the order of their application.

3. An application for consent for an auction sale herein provided for, must state explicitly and in detail the character of the securities or other property to be offered. In the case of whisky, the application for the sale must state specifically the number of barrels to be offered, the brand, age and serial or stamp numbers of the packages of each and every lot, and no lot of less than 25 barrels of one brand and age shall be offered.

4. An application for an auction sale herein provided for, which has been duly authorized, must be posted on the Exchange bulletin-board as a notice to persons interested in such proposed sale, and in every case such application or notice must be placed on the bulletin-board by or before 1 o'clock of the day preceding the sale announced.

5. No modifications of the terms of sale or character of the securities or other property, as announced and advertised, shall be allowed, nor shall a larger quantity of securities or other property be sold than advertised; but nothing herein shall be construed to prevent such securities or other described property from being in whole or in part withdrawn.

6. This rule shall apply only to applications for auction sales for the purpose of establishing the value of such property in an open market incident to the adjustment of claims called for under contract or collateral obligations, or for sales to establish value of property by order of court or by other judicial procedure.

7. Sales of property at auction in the Exchange Hall otherwise than herein provided for, shall be prohibited, excepting only such sales as are provided for under the rules for the regulation of the various departments of trade.

RULE 6. The soliciting of money for any object, on the floor of the Exchange, will not be allowed.

RULE 7. Newspapers on the files must not be mutilated under any circumstances.

RULE 8. On the death of a member, notice of the same shall, in all cases, be posted in the Exchange Hall; and at the written request of five members, the President shall appoint a committee to prepare a memorial report upon the deceased member, a copy of which report, when approved by the President, shall be entered upon the records of the Association, posted upon the bulletin-board for five days, and a copy furnished the family or friends of the deceased member. At the written request of twenty-five members, the President shall make public announcement of the death of a member, and such action taken as the Association may direct.

RULE 9. No advertisements of any kind shall be displayed upon the walls of the Exchange Hall or other rooms occupied by the Association.

RULE 10. Sample desks shall be provided in the Exchange Hall, the rental for which shall be $5 per annum, payable in advance. The choice for such desks shall be sold at auction, at such time after the occupation of the new building as may be named by the Board of Directors, and thereafter at such times as said Board may authorize, after the expiration of three years. All samples of grain and flour must be placed in the drawers after the close of 'Change.

RULE 11. Persons shall not be permitted to congregate in the lobby nor in the approaches to the same.

RULE 12. The throwing of dough, flour, grain, or other missiles will not be permitted in the Exchange Hall.

RULE 13. No person shall appear in his shirt sleeves in the Exchange Hall between the hours of 10 o'clock, A. M., and 2 o'clock, P. M.; provided, that this rule may be suspended from June 15 to September 15, under approval of the Board of Directors.

RULE 14. No member will be permitted to bring a case before the Board of Directors, or any of the Committees, when he is in arrears for membership dues, desk rent, or fees of any kind.

RULE 15. No person who has been denied membership shall be admitted to the courtesies of the rooms of the Association for a period of six months.

SPECIAL RULE A.—Members of the Chamber are entitled to the privilege of inviting by card one person not a member of the Chamber of Commerce, but resident of either Hamilton County, Ohio, Campbell or Kenton Counties, Kentucky, extending the courtesies of the floor for five visits within one month, the person so admitted having no business privileges. Members are allowed more than one ticket per month if desired; the issuance of tickets to be at the discretion of the Superintendent.

SPECIAL RULE B.—Announcements of members may be posted on bulletin-boards in the Exchange Hall, relating to real estate offerings; and also other business announcements of members, subject to the approval and direction of the Superintendent.

# RULES AND REGULATIONS

OF THE

# CINCINNATI CHAMBER OF COMMERCE

AND

# MERCHANTS' EXCHANGE,

FOR THE

## GOVERNMENT OF VARIOUS DEPARTMENTS OF TRADE.

IN FORCE MAY 1, 1906.

## RULES FOR THE REGULATION OF THE GRAIN TRADE IN CINCINNATI.

### RULE I.—'CHANGE HOURS.

SECTION 1, R. 1.—'Change hours under the rules for the regulation of the grain trade of Cincinnati shall be held between 11:30 A. M. to 1:30 o'clock P. M. of each day upon which there is a meeting of the Chamber of Commerce, except Saturday, when the session shall be held between 10 o'clock A. M. and 12 o'clock, noon.

### RULE II.—COMMITTEE ON GRAIN INSPECTION.

SECTION 1, R. 2.—*Appointment of.*—The Board of Directors shall annually, in the month of February, appoint a Committee on Grain Inspection, consisting of five (5) members, and all of whom shall be dealers in grain.

SEC. 2, R. 2.—*Duties of Committee.*—It shall be the duty of the Committee on Grain Inspection to hear, consider and determine all disputes, differences and controversies arising between members of the grain trade growing out of contracts made under the rules regulating the grain trade of Cincinnati that may be voluntarily submitted to it, and to discharge all such other duties as may be imposed upon it by the rules and regulations of the Chamber of Commerce of Cincinnati. Also, to similarly consider cases wherein the complainant is a non-member, provided he be represented by a member of the Association, and makes payment to the Association of a sum to be fixed by the committee, which shall not exceed ten dollars.

The Committee on Grain Inspection will meet each business day to pass on appealed inspections. Appeals from Inspector's grading must be made within fifteen (15) minutes after receipt of samples from the Inspector. Should the Inspector fail to deliver samples at the appointed time, then the meeting on day of such delay will be held fifteen (15) minutes after such delayed delivery of samples.

SEC. 3, R. 2.—*Quorum.*—Three members of the Committee on Grain Inspection shall constitute a quorum for the transaction of business.

SEC. 4, R. 2.—*Temporary Vacancies Filled.*—All temporary vacancies in the Committee on Grain Inspection when it has met for the transaction of business may be filled by the quorum of members present, if so requested, by both parties, or shall be filled by the President of the Chamber of Commerce, if either of said parties litigating request it, before the case is stated. Such temporary appointees shall sit on said committee only during the absence or other inability of the committeemen to be present and serve. Said temporary appointees shall not retire from said committee during a trial or the hearing of any matter then before it—although the regular committeemen shall appear and be ready to serve—and that all such vacancies shall be filled by selection of members representing the same business as the absent members of the committee.

SEC. 5, R. 2.—*How Controversies Submitted to the Committee.*—Any party who desires to submit any controversy under the rules regulating the grain trade of Cincinnati to the Committee on Grain Inspection for determination, shall file with the said committee a written statement of his claim, which statement must contain—

1. The name of the firm or parties making the complaint, and who shall be known as the "complainants;"

2. The name of the firm or parties against whom the complaint is made, and who shall be known as the "respondents;"

3. A statement of the facts constituting the cause of complaint in ordinary and concise language;

4. A demand of the relief to which the party supposes himself entitled.

This written statement shall be known as the "petition," and no other written statement shall be required to be filed by either complainant or respondent.

SEC. 6, R. 2.—*Notice of Time of Hearing.*—Upon said petition named in Section 5 of this rule being filed, it shall be the duty of said committee to give notice to complainants and respondents of the time and place set for the hearing of said case. Such notice shall give the names of the parties, complainant and respondent.

SEC. 7, R. 2.—*Adjournments.*—The committee may, at its discretion, adjourn the time for the hearing of any case, and, after the hearing has commenced, may adjourn from time to time the further hearing thereof to such time as it may deem best.

SEC. 8, R. 2.—*Trial.*—On the trial of any case before said committee, the complainant, or any one of them, if more than one, shall first state his case fully and the evidence by which he proposes to sustain his case, giving the names of the witnesses and what he believes each witness will testify to. The respondent, or any one of them, if more than one, shall then state his answer fully, and what he claims in the transaction, and the evidence by which he proposes to sustain his side of the case, giving the names of the witnesses and what he believes each witness will testify to. The decision of a majority of the committee present and trying the case shall be held as valid and binding and shall be entered of record in the records of said committee.

SEC. 9, R. 2.—*Notice of Decision.*—Written notice of any final decision rendered by said committee shall be given to the parties, complainant and respondent, as soon as possible after rendering the same.

SEC. 10, R. 2.—*Appeal and Notice Thereof.*—Any party to the controversy who may feel aggrieved by the final decision of the Committee on Grain Inspection may appeal the case to the Committee of Arbitration within three days after the delivery of the decision. Notice of said appeal must be made to the Superintendent in writing by the party appealing.

SEC. 11, R. 2.—*Record.*—The Committee on Grain Inspection shall keep a record of its proceedings, and shall leave the same with the Superintendent of the Chamber of Commerce. Said record may be inspected by any member upon application to the said Superintendent.

## RULE III.—INSPECTOR OF GRAIN.

SECTION 1, R. 3.—*Appointment and Duties.*—The Board of Directors shall annually, on the second Tuesday in February, or in case of failure to appoint at that time, at any meeting thereafter, appoint a suitable and competent person as Inspector of Grain.

SEC. 2, R. 3.—*Duties of Inspector.*—It shall be the duty of the Inspector to inspect, sample, and grade, according to the classification which may be adopted, from time to time, by the Chamber of Commerce, all grain received in this city, in bulk, except grain in transitu, and also except consignments to parties who, on application to the Inspector, may direct him not to inspect their bulk grain without special instructions; and to inspect any other grain when called on to do so by the consignee or purchaser; also, all grain sent by transportation lines, to be stored in elevators or public warehouses, without the consent or knowledge of the consignees. He shall also furnish samples, with grading and car numbers, to consignees, when desired. Inspection to be at the expense of the receiver or consignee.

SEC. 3, R. 3.—*Access to Grain Inspected.*—The Inspector shall have free access to all grain that has been inspected by him, stored in any warehouse or elevator; and when such grain is to be removed from such warehouse or elevator shall, when called upon so to do by any party interested, reinspect the same.

SEC. 4, R. 3.—*Certificate of Inspection.*—A certificate of inspection shall be furnished when required by the party ordering the inspection.

SEC. 5, R. 3.—*Inspection of Grain Sold by Sample or Grade.*—Upon any difference of opinion between buyer and seller, when grain has been sold by sample, or grade, the Inspector may be called upon to determine the same in manner provided for by Section 4 of Rule VII.

SEC. 6, R. 3.—*When Not to Inspect Grain.*—The Grain Inspector shall not inspect grain at any elevator or warehouse, or for any party, unless the proprietor or manager of such elevator or warehouse, or other party desiring his services, shall conform to the rules in reference to inspections established by the Chamber of Commerce.

SEC. 7, R. 3.—*Inspector Not to Trade, etc.*—The Grain Inspector shall not be allowed to trade in any article of which he is the Inspector.

SEC. 8, R. 3.—*Fees for Inspection.*—The fees for Inspection shall be as follows:

Forty (40) cents per car, or lot not exceeding 400 sacks, and fifty (50) cents per midship of canal boats, to all who shall give orders to inspect all their consignments of bulk grain. For grain inspected out of elevators the charge shall be twenty-five (25) cents per car.

It shall be privileged to charge one ($1 00) dollar per car and one ($1 00) dollar per midship to those who do not uniformly have their bulk grain inspected.

For Mill Feed, the fee shall be forty (40) cents per carload, or lot not exceeding 400 sacks.

SEC. 9, R. 3.—*Grading of Grain.*—All grain inspected will be graded by the lowest grade found.

SEC. 10, R. 3.—*Inspection at Request of Buyer or Seller.*—The buyer or seller shall have the right to call the Inspector to inspect grain purchased or sold—under the rules regulating the grain trade of Cincinnati—and when so called upon, it shall be the duty of the Inspector to make said inspection as soon as practicable.

SEC. 11, R. 3.—*Where Inspection to be Made.*—All inspections of grain by the Inspector shall be made at the place of delivery, unless otherwise agreed upon by the parties.

SEC. 12, R. 3.—*Controversies Referred to Grain Inspector.*—All controversies between the buyer or seller, or interested parties, as to the grade of grain purchased, sold, tendered, or delivered, under the rules regulating the grain trade of Cincinnati, shall, at the option of either party, be referred to the Grain Inspector, who shall inspect or reinspect the grain and determine the controversy, and his decision shall be valid and binding upon the parties. If the original inspection be sustained the expense of such re-inspection shall be paid by the buyer, unless otherwise agreed upon. If the grain be not up to grade, the expense of such re-inspection shall be paid by the seller or party delivering or tendering the grain, unless otherwise agreed upon.

SEC. 13, R. 3.—*Appeals.*—Any party thinking himself aggrieved by any decision of the Inspector, may appeal to the Committee on Grain Inspection, who shall hear and determine the case—but such appeal shall be perfected within twenty-four hours from the date of the decision of the Grain Inspector.

SEC. 14. R. 3.—Members shall not be permitted to enter the Grain Inspector's office, except the Grain Inspection Committee in its official capacity.

## RULE IV.—GRAIN AND HAY INSPECTION BUREAU.

SECTION 1, R. 4.—The Board of Directors of the Cincinnati Chamber of Commerce shall have power to establish a Grain and Hay Inspection Bureau, to be operated under the charge of a Chief Inspector, who shall have supervision of the official inspection of grain, hay and feed.

SEC. 2, R. 4.—The Chief Inspector shall be appointed by the Board of Directors of the Chamber of Commerce upon the inauguration of the Inspection Bureau, and thereafter on the first Tuesday of February, of each year, or at any meeting of the Board of Directors.

SEC. 3, R. 4.—The Chief Inspector shall be authorized to appoint an Assistant Inspector, and Deputy Inspectors, such appointments to be subject to the approval of the Board of Directors.

SEC. 4, R. 4.—The Chief Inspector shall have charge, supervision and direction of all inspectors. He shall inspect, or cause to be inspected, sample, and grade, according to the classification, which may be adopted from time to time by the Chamber of Commerce, all Grain, Hay and Feed received in Cincinnati by members of the Chamber of Commerce, except consignments to parties who may direct him not to inspect. He shall re-inspect or cause to be re-inspected any Grain, Hay or Feed when ordered to do so.

SEC. 5, R. 4.—He shall cause to be kept a record of all inspections and re-inspections of Grain, Hay and Feed, and shall collect or shall provide for the collection of all fees for inspecting and re-inspecting Grain, Hay and Feed, and shall pay into the Chamber of Commerce all such fees and revenues collected.

SEC. 6, R. 4.—The Chief Inspector shall have authority to suspend from service any inspector under his charge, and in case of so acting he shall submit a statement explanatory of such action with specifications in writing to the Inspection Bureau Committee.

SEC. 7, R. 4.—On receiving such notice of suspension and charges from the Chief Inspector, the Inspection Bureau Committee shall recommend to the Board of Directors action ordering the dismissal from service of the inspector complained of, if it be deemed justifiable or called for under the evidence.

SEC. 8, R. 4.—An appointment of Chief Inspector, or any Assistant or Deputy Inspector shall be revocable at any time by action of the Board of Directors.

SEC. 9, R. 4.—The Chief Inspector and Assistant Inspector, and Deputy Inspectors, shall be paid salaries fixed by the Board of Directors. The Chief Inspector and Assistant Inspector shall be members of the Chamber of Commerce.

## RULE V.—CLASSIFICATION OF GRAIN.

### SECTION 1, R. 5.—WINTER WHEAT.

No. 1 WHITE.—Shall be pure white, bright, sound, reasonably plump, free from smut and other grain, well cleaned, and shall weigh not less than sixty (60) pounds to the measured bushel.

No. 2 WHITE.—Shall be white, sound and reasonably clean, and shall weigh not less than fifty-eight (58) pounds to the measured bushel.

No. 3 WHITE.—Shall include all sound white wheat, not fit for higher grade, and not so much damaged from any cause as to be unfit for flouring, and shall weigh not less than fifty-five (55) pounds to the measured bushel.

No. 4 WHITE.—Shall be sound, too damp or dirty to permit of grading No. 3, and shall test not less than fifty-three (53) pounds to the measured bushel.

NO GRADE.—Shall be wheat, any color, badly mixed with other grains, or unsound, or excessively damp, or on the verge of heating, or hot, or which for any cause can not be given any specified grade.

MIXED WINTER.—White and red wheat mixed, shall be graded Nos. 1, 2, 3, 4, and no grade, corresponding with such grades of white and red wheat.

HARD WINTER.—Shall be governed by the same rules as soft winter wheat, the inspector, however, to make notation on inspection certificate as follows: No. 1 Hard Winter; No. 2 Hard Winter, etc.

No. 1 RED.—Shall be red and amber, sound, reasonably plump, well cleaned, and free from smut or other grain, and shall weigh not less than sixty (60) pounds to the measured bushel.

No. 2 RED.—Shall be red and amber, shall be sound and reasonably clean, and may contain not over ten (10) per cent of white wheat, and shall weigh not less than fifty-eight (58) pounds to the measured bushel.

No. 3 RED.—Shall include all sound wheat not fit for higher grades, and not so much damaged from any cause as to be unfit for flouring, and shall weigh not less than fifty-five (55) pounds to the measured bushel.

No. 4 RED.—Shall be sound, too damp or dirty to permit of grading No. 3, and shall test not less than fifty-three (53) pounds to the measured bushel.

NO GRADE.—Shall be wheat, any color, badly mixed with other grains, or unsound, or excessively damp, or on the verge of heating, or hot, or which for any cause can not be given any specified grade.

### SECTION 2, R. 5—SPRING WHEAT.

No. 1 NORTHERN SPRING.—Shall be northern-grown spring wheat, sound and reasonably clean and of good milling quality, and must contain not less than 50 per cent of the hard varieties of spring wheat.

No. 2 NORTHERN SPRING.—Shall be northern-grown spring wheat, not clean enough or sound enough for No. 1, and must contain not less than 50 per cent of the varieties of spring wheat.

No. 1 SPRING.—Shall be sound, plump, and well cleaned.

No. 2 SPRING.—Shall be sound, reasonably clean, and of good milling quality.

No. 3 SPRING.—Shall include all sound, inferior, shrunken or dirty spring wheat, weighing not less than fifty-three (53) pounds to the measured bushel.

No. 4 SPRING.—Shall include all sound spring wheat too damp or dirty to permit of grading No. 3, weighing not less than fifty (50) pounds to the measured bushel.

NO GRADE SPRING.—Shall be spring wheat, any color, badly mixed with other grains, or unsound, or excessively damp, or on the verge of heating, or hot, or which for any cause can not be given any specified grade.

WHITE SPRING.—Shall correspond with the grades of Nos. 1, 2, 3, 4, and No Grade, of spring wheat, except that they shall be of the white variety, or shall contain five per cent or more of such white wheat.

FROSTED WHEAT.—Shall in no case be graded higher than No. 4, except that the grade of No. 3 may contain as much of said frosted wheat as it is customary to allow of wheat damaged in any other way.

SECTION 3, R. 5.—CORN.

No. 1 WHITE.—Shall be pure white, sound, dry, plump, and well cleaned.

No. 2 WHITE.—Shall be white, sound, dry, and reasonably clean, but may contain three per cent damaged or two per cent colored grains.

No. 3 WHITE.—Shall be white, sound, reasonably clean, and may be slightly damp, and may contain five per cent damaged and four per cent colored grains.

No. 4 WHITE.—Shall be white, sound, too damp or dirty, or otherwise unfit for No. 3, may contain same proportion of damaged and colored grains as No. 3.

No 1 YELLOW.—Shall be pure yellow, sound, dry, plump, and well cleaned.

No. 2 YELLOW.—Shall be yellow, sound, dry, and reasonably clean, but may contain three per cent damaged or two per cent white or colored grains, other than yellow.

No. 3 YELLOW.—Shall be yellow, sound, reasonably clean, may be slightly damp, and may contain five per cent damaged and four per cent white or colored grains, other than yellow.

No. 4 YELLOW.—Shall be yellow, sound, too damp or dirty, or otherwise unfit for No. 3, may contain same proportion of damaged and colored grains as No. 3.

No. 1 MIXED.—Shall be mixed, sound, dry, plump, and well cleaned.

No. 2 MIXED.—Shall be mixed, sound, dry, and reasonably clean, but may contain three per cent damaged grains.

No. 3 MIXED.—Shall be mixed, sound, reasonably clean, and may be slightly damp, and may contain five per cent damaged grains.

No. 4 MIXED.—Shall be sound, too damp or dirty, or otherwise unfit for No. 3.

NO GRADE CORN.—Any color, mixed with other grain, or unsound, or musty, or excessively damp, or heating, or hot, or which for any cause can not be given any specified grade.

EAR CORN.—The Inspector must furnish the best average sample he can draw, not less than six (6) ears, which shall represent the entire lot.

SECTION 4, R. 5.—OATS.

No. 1 WHITE.—Shall be pure white, sound, bright, free from other grain, and well cleaned, and weigh not less than thirty-two (32) pounds to the measured bushel.

No. 2 WHITE.—Shall be not less than ninety-five per cent white, sound, and reasonably clean, may contain an occasional foreign grain, and weigh not less than twenty-eight (28) pounds to the measured bushel.

No. 3 WHITE.—Shall be not less than ninety-five per cent white, sound, and slightly stained or mixed with other grain, reasonably clean, and for any cause unfit for No. 2.

No. 4 WHITE.—Shall include all sound white oats too damp or dirty, or poor in color, to permit grading No. 3.

No. 1 MIXED.—Shall be sound, bright, free from other grain, and well cleaned, and weigh not less than thirty-two (32) pounds to the measured bushel.

No. 2 MIXED.—Shall be sound, reasonably clean, and reasonably free from other grain, and weigh not less than twenty-eight (28) pounds to the measured bushel.

No. 3 MIXED.—Shall be sound, too light, too much stained or mixed with other grain for No. 2.

No. 4 MIXED.—Shall include all sound mixed oats, too damp or dirty to be permitted to grade No. 3.

NO GRADE OATS.—Shall be unsound oats, musty or bin-burnt, or excessively damp, or heating, or hot, badly mixed with other grains, or which for any cause can not be given any specified grade.

SECTION 5, R. 5.—RYE.

No. 1.—Shall be sound, plump, and well cleaned.

No. 2.—Shall be sound, reasonably clean, and not too much mixed with other grain, and shall weigh not less than fifty-five (55) pounds to the measured bushel.

No. 3.—Shall include all sound, inferior, shrunken, dirty, or slightly damp rye, not so much damaged, from any cause, as to be unfit for milling or distilling purposes.

No. 4.—Shall include all sound rye weighing not less than fifty (50) pounds to the measured bushel, too damp or dirty to permit grading No. 3.

No GRADE RYE.—Shall be rye, badly mixed with foreign grains, or unsound, or excessively damp, or on the verge of heating, or hot, or which for any cause can not be given any specified grade.

SECTION 6, R. 5.—WINTER BARLEY.

No. 1 WINTER.—Shall be sound, plump, clean, bright, and free from other grain.

No. 2 WINTER.—Shall be sound and reasonably clean, but not bright or plump enough for No. 1 (may be slightly broken), and reasonably free from other grain, and shall weigh not less than forty-eight (48) pounds to the measured bushel.

No. 3 WINTER.—Shall include shrunken or otherwise slightly damaged barley; may be slightly mixed with other grain, but not unfit for malting, and shall weigh not less than forty-four (44) pounds to the measured bushel.

EXTRA No. 3 WINTER.—Shall be sound, and may be somewhat stained, but otherwise, except as to weight, equal to No. 2, and shall weigh not less than forty-six (46) pounds to the measured bushel.

No. 4 WINTER.—Shall include all sound winter barley, or which for any cause is below the standard of No. 3, but which is better than No Grade.

No GRADE.—Shall be barley badly mixed with foreign grains, or unsound, or excessively damp, or on the verge of heating, or hot, or which for any cause is unfit for No. 4.

SECTION 7, R. 5.—SPRING BARLEY.

No. 1 SPRING.—Shall be same as No. 1 Winter.

No. 2 SPRING.—Shall be same as No. 2 Winter.

No. 3 SPRING.—Shall be same as No. 3 Winter.

EXTRA No. 3 SPRING.—Shall be same as Extra No. 3 Winter.

No. 4 SPRING.—Shall be same as No. 4 Wintar.

No GRADE SPRING.—Shall be same as No Grade Winter.

## RULE VI.—DELIVERIES.

SECTION 1, R. 6.—*Manner of, Delivery of, and Payment for Grain Sold in Elevator.*—The delivery of grain sold in elevator shall be made by the tender of regular elevator receipts, which shall have three (3) full days' free storage at the time of such tender. Upon such tender being made the contract price of grain thus sold shall be due and payable.

SEC. 2, R. 6.—*Regular Elevator Receipts.*—A regular elevator receipt called for in Section 1 of Rule VI shall be for grain in elevator, in Cincinnati, connected by railroad tracks, and to and from which, said railroad tracks and said elevator, grain can be directly handled—said elevator to be managed by either a corporation, firm, or individual, for the purpose of carrying on the business of receiving, storing, delivering, and forwarding grain of all kinds. Said corporation, firm, or individual may, in connection therewith, do the business of general storage, warehousemen, and forwarders of all kinds of produce or merchandise—but shall not on his own account, nor for others, deal as buyers or sellers. *Provided, however,* that before such elevator receipt shall be deliverable on contract the following conditions must be done and had: First, the parties managing such elevator shall have filed with the Board of Directors of the Chamber of Commerce a statement, showing that the said elevator has complied with this Section 2 of Rule V; and second, the Board of Directors shall have declared by resolution the said elevator regular.

SEC. 3, R. 6.—*Manner of Delivery and Payment for Grain Sold on Track.*—The delivery of grain sold on track shall be made by the tender of a written order for the property on some standard gauge railroad company entering and having an office in Cincinnati, properly accepted by such railroad company, together with the certificate of the Grain Inspector. Upon such tender being made, the seller shall have the right to demand of the buyer eighty (80) per cent of the contract price upon the basis of the weight of each car as shown by the shipper's advice, and the buyer shall have five (5) days' time in which to furnish seller weights and pay the balance of the contract price. In case weights are not furnished within the said five days, excepting for unavoidable causes for which the buyer is not responsible, the seller shall have the right to settlement at shipper's weights, when properly certified to and duly tendered.

SEC. 4, R. 6.—*Form of Acceptance by the Railroad Company.*—The acceptance by the railroad company called for in Section 3 of Rule VI shall be in the following form, to wit:

CINCINNATI, OHIO, ————, 19—.

The————railroad company hereby certifies that the grain covered by the within order has arrived and is now ready for delivery.

(Signed.) ———— Railroad Company.

By ————, Agent.

SEC. 5, R. 6.—*Penalty for Giving More than One Order for Same Property.*—Any member who shall give more than one order called for under Section 3 of Rule V for the same lot of grain, and shall receive advances thereon, shall, on conviction thereof, be expelled from the Chamber of Commerce.

SEC. 6, R. 6.—*No Delivery on Sunday, etc.*—When a contract shall mature on Sunday, a legal holiday, or on a day on which there is no meeting of the Chamber, delivery on such contract shall be made on the preceding business day. No property shall be tendered on any day upon which there is no meeting of the Chamber of Commerce.

SEC 7, R. 6.—*Place of Delivery.*—In all sales of property under the rules regulating the grain trade of Cincinnati, when not otherwise provided for by the terms of the contract, all deliveries and tenders of delivery of property shall be made on 'Change. In case the buyer has no usual place of business in Cincinnati, then the delivery or tender of delivery to the Superintendent of the Chamber of Commerce of Cincinnati shall be held to be a good, valid and sufficient delivery of such property. *Provided, however,* that all deliveries or tenders of delivery of property made or to be made on the last business day of each month shall be made on the floor of the Chamber of Commerce, during 'Change hours, anything in these rules to the contrary notwithstanding. And it shall be the duty of all members having unfilled contracts to be present on said floor in the Chamber of Commerce, either in person or by agent, or by some other authorized party, during 'Change hours, to receive such property when properly tendered.

SEC. 8, R. 6.—*Failure to Deliver at Maturity of Contract.*—In case any property contracted for, to arrive, is not delivered at maturity of contract, the purchaser may, at his option: (1,) consider the contract forfeited; or (2,) after notice to the seller of his intention, he may purchase the property in the open market on 'Change the same or next business day for account of the seller, notifying him at once of such purchase; or (3,) he may require a settlement with the seller at the market price on the day of maturity of the contract. And in case the parties can not agree upon the said market price within three (3) days after the maturity of the contract, then the matter may be referred by either party to the Committee on Grain Inspection for determination.

SEC. 9, R. 6.—*Failure to Receive and Pay for Property when Tendered.*—In case any property contracted for is not received and paid for when properly tendered, it shall be the duty of the seller, in order to establish any claim on the purchaser, to sell it at auction during 'Change hours of the same or next business day following after such default shall have been made, notifying the purchaser of his intention on the same day of such sale; and any loss resulting to the seller shall be paid by the party in default.

SEC. 10, R. 6.—*Value of Property, how Determined.*—In determining the value of property, its value in other markets, or for manufacturing or consumptive purposes in this market, together with such other facts as may justly enter into the determination of its value, shall be considered, irrespective of any fictitious price it may at the time be selling for in this market, but nothing shall be construed as authorizing unjust or unreasonable claims based upon manipulated or fictitious markets. Such values, in case of disagreement between the parties, shall, at the option of either party, be referred to the Committee on Grain Inspection for determination.

SEC. 11, R. 6.—*Tender of Higher Grades of Grain.*—On contracts for grain for future delivery, the tender of a higher grade of the same kind of grain than the one contracted for shall be deemed sufficient, provided the higher grade of grain tendered shall not be of a color or quality that will depreciate the value of the other, if mixed.

SEC. 12, R. 6.—*Tender of Grain of Equal Grade by Elevator Companies.*—Elevator companies must deliver grain equal to the standard of the grade called for by the elevator receipt.

## RULE VII.—SALES BY SAMPLE OR GRADE.

SECTION 1, R. 7.—*Not Up to Sample.*—If grain sold by sample should prove not up to sample, the purchaser may demand, within twenty-four hours after notice to the seller, the amount of grain purchased up to sample, or payment of such difference in value as may be established, unless otherwise agreed upon at the time of sale.

SEC. 2, R. 7.—*Sold to Arrive and Not Up to Sample.*—In case grain is sold to arrive, and upon its arrival shall prove not up to sample or grade in which the same has been sold, then the seller shall have twenty-four hours in which to furnish the amount of grain sold up to sample or grade, unless otherwise agreed upon at the time of purchase.

SEC. 3, R. 7.—*When and Where Examined—Accepted or Rejected.*—All grain sold by sample or grade, shall be examined by the purchaser or Inspector at the place of delivery, and shall be accepted or rejected within twenty-four (24) hours from the time the order and sample are given for the same, excepting that when the car arrives at place of unloading, provided same is within jurisdiction of the Inspector, and is found by the Inspector to be grain of different character from original inspection, in which case the difference in value shall be determined as provided for in Section 1 of Rule X.

SEC. 4, R. 7.—*Inspector to Decide.*—Upon any difference of opinion between buyer and seller, when grain has been sold by sample or grade, the Inspector may be called upon to decide the case by comparison, and in such case the sample may be required by either buyer or seller to be, in the presence of both buyer and seller, furnished the Inspector, who shall inspect it as soon as practicable after the request shall have been made. If not up to sample, or grade, the expense of such inspection shall be paid by the seller, unless otherwise agreed upon.

## RULE VIII.—TERMS OF SALE.

SECTION 1, R. 8.—All purchases of grain made, unless otherwise agreed upon, are understood to be for cash, and to be paid for on delivery.

## RULE IX.—CAR LOAD.

SECTION 1, R. 9.—In sales of car lots of grain to arrive, or loaded from an elevator or warehouse, a carload of wheat shall be 1,000 bushels, shelled corn 1,000 bushels, ear corn 700 bushels, oats 1,500 bushels, rye 1,000 bushels, barley 1,000 bushels, and any excess or deficiency to be settled at the market ruling on the day of delivery, unless otherwise stated.

## RULE X.—TIME, HOW COMPUTED.

SECTION 1, R. 10.—*How Time Computed.*—Unless otherwise specially provided, the time within which an act is required by the rules regulating the grain trade of Cincinnati to be done shall be computed by excluding the first day and including the last, and if the last be Sunday, it shall be excluded.

SEC. 2, R. 10.—*Time of Shipment.*—The term "immediate shipment" shall mean that shipment shall be made within three business days from the date when shipping directions have been received by the seller. The term "quick shipment" shall mean that shipment shall be made within five business days fom the date when shipping instructions have been received by the seller. The term "prompt shipment" shall mean that shipment shall be made within ten business days from the date when shipping directions have been received by the seller. When no time is mentioned, it is understood that sales are made for "prompt shipment."

SEC. 3, R. 10.—*Time for Shipping Directions.*—The buyer shall, unless otherwise specified at the time of sale, be allowed two business days within which to furnish shipping directions on sales for prompt or deferred shipment only, and shall be obliged to furnish the same any time after two days when called upon by seller or shipper. On failure on the part of the buyer to furnish directions on demand, after the time allowed, the seller shall have the right and privilege to ship the goods to the known address of the buyer, or to cancel the contract outright, as the seller may elect, twenty-four hours notice having been given by the seller of such intention.

SEC. 4, R. 10.—*Failure to Ship within Contract Time.*—In the case of failure on the part of the seller to ship goods within contract time after receipt of shipping directions, the buyer shall have the right either to cancel the contract outright or to purchase goods covered by the contract for account of the seller, or extend contract for a specified number of days, as the buyer may elect.

## RULE XI.—DISPUTES REFERRED TO THE COMMITTEE ON GRAIN INSPECTION.

SECTION 1, R. 11.—All matters of dispute, difference, or controversy between members growing out of contracts under the rules regulating the grain trade of Cincinnati not otherwise specially provided for, which the parties do not settle, may be referred to the Committee on Grain Inspection, and said committee shall hear and determine the matter, and the decision of said committee shall be valid and binding.

SEC. 2, R. 11.—*Effect of Offer to Submit Dispute to Grain Committee.*—In case of any disagreement arising from any action taken under these rules, the expressed willingness of either party to the controversy to submit the pending question of difference to the Committee on Grain Inspection or of Arbitration for determination shall be accepted and construed by the Board of Directors as evidence on the part of such member of his readiness to adjust and settle his said disputed obligation, and he shall not, therefore, be subject to discipline for such matter pending such proffered submission, if he shall abide by the same in good faith, and, in case of an award promptly perform such award.

## RULE XII.—NOTICES, SERVICE OF.

SECTION 1, R. 12.—*Service of Notices.*—Unless otherwise specially provided, all notices for the call of margin for the maintenance or closing of contracts, and all notices, for any and all other purposes required to be given by the rules regulating the grain trade of Cincinnati, may be served personally on the party to be notified, or upon his authorized representative, or upon any clerk representing the party on 'Change, or by leaving written notice at the party's usual place of business in Cincinnati; and, in case the party to be notified shall not be known to have a usual place of business in Cincinnati, a written notice left in the office of the Superintendent of the Chamber of Commerce shall be deemed sufficient.

## RULE XIII.—ELEVATOR CHARGES.

SECTION 1, R. 13.—*Elevator Charges.*—The following elevator charges are recognized by the Cincinnati Chamber of Commerce, as in force January 1, 1905: On all grain, two-thirds (⅔) of one cent per bushel for the first five days, or part thereof, and one-third (⅓) of one cent for the next ten days or part thereof, and one-sixth (⅙) of one cent for each subsequent ten days or part thereof. Extra charges for delivery in sacks.

## RULE XIV.—ELEVATOR REPORTS.

SECTION 1, R. 14.—*To Furnish Weekly Reports to the Superintendent.*—The managers of regular elevators shall honestly and faithfully furnish to the Superintendent of the Chamber of Commerce all needed information to enable him to keep a correct record and account of all grain, together with the grade thereof, received and delivered by them weekly, and of that remaining in store at close of each week. And it shall be the duty of the Superintendent of the Chamber of Commerce to aggregate such records and to post them in a public place in the Chamber of Commerce, on the first business day of each week.

SEC. 2, R. 14.—*To Publish Damage to Grain Held in Store.*—Managers of such elevators shall promptly, by proper publication, advise the trade and the public of any damage to grain held in store by them, whenever such damage shall occur to any extent, that will render them unwilling to purchase and withdraw from store, at their own cost, all such damaged grain.

SEC. 3, R. 14.—*Important Changes in Condition of Elevator, or Disregard or Evasion of Requirements.*—Any important change in the condition of any elevator, or disregard or evasion of the above requirements, shall at any time be a sufficient cause for the Board of Directors to declare such elevator no longer regular within the meaning of the Rules of the Chamber of Commerce.

## RULES FOR THE GOVERNMENT OF THE HAY TRADE.

The Board of Directors of the Cincinnati Chamber of Commerce, have adopted rules for the regulation of the Hay trade, as follows:

### CLASSIFICATION OF HAY.

CHOICE TIMOTHY.—Shall be Timothy not mixed with over one-twentieth other grasses, properly cured, bright natural color, sound and well baled.

No. 1 TIMOTHY.—Shall be Timothy not more than one-eighth mixed with Clover or tame grasses, properly cured, good color, sound and well baled.

No. 2 TIMOTHY.—Shall be Timothy not good enough for No. 1, not over one-fourth mixed with Clover or other tame grasses, fair color, sound and well baled.

No. 3 TIMOTHY.—Shall include all Hay not good enough for other grades, sound and well baled.

No. 1 CLOVER, MIXED.—Shall be Timothy and Clover mixed, with at least one-half Timothy, good color, sound and well baled.

No. 2 CLOVER, MIXED.—Shall be Timothy and Clover mixed, with at least one-third Timothy, reasonably sound and well baled.

No. 1 CLOVER.—Shall be medium Clover, not over one-twentieth other grasses, properly cured, sound and well baled.

No. 2 CLOVER.—Shall be Clover, sound, well baled, not good enough for No. 1.

NO GRADE.—Shall include all Hay badly cured, musty, stained, thrashed, or in any way unsound.

CHOICE PRAIRIE.—Shall be Upland, of bright color, well cured, sweet, sound and may contain 3 per cent weeds.

No. 1 PRAIRIE.—Shall be Upland, and may contain one-quarter Midland, both of good color, well cured, sweet, sound and may contain 8 per cent of weeds.

No. 2 PRAIRIE.—Shall be Upland, of fair color, and may contain one-half of Midland, both of good color, well cured, sweet, sound and may contain 12½ per cent weeds.

No. 3 PRAIRIE.—Shall include Hay not good enough for other grades, and not caked.

No. 1 MIDLAND.—Shall be Midland of good color, well cured, sweet, sound, and may contain 3 per cent weeds.

No. 2 MIDLAND.—Shall be fair color, or Slough Hay of good color, and may contain 12½ per cent weeds.

PACKING.—Shall include all Wild Hay not good enough for other grades and not caked.

NO GRADE PRAIRIE.—Shall include all Hay not good enough for other grades.

### CLASSIFICATION OF STRAW.

No. 1 STRAIGHT RYE.—Shall be in large bales, clean, bright long Rye, pressed in bundles, sound and well baled.

No. 2 STRAIGHT RYE.—Shall be in large bales, long Rye, pressed in bundles, sound and well baled, not good enough for No. 1.

No. 1 TANGLED RYE.—Shall be reasonably clean Rye, good color, sound and well baled.

No. 2 TANGLED RYE.—Shall be reasonably clean, may be some stained, but not good enough for No. 1.

No. 1 WHEAT.—Shall be reasonably clean Wheat, sound and well baled.

No. 2 WHEAT.—Shall be reasonably clean, may be some stained, but not good enough for No. 1.

No. 1 OAT.—Shall be reasonably clean Oat, sound and well baled.

No. 2 OAT.—Shall be reasonably clean, may be some stained, but not good enough for No. 1.

## FEES FOR INSPECTION OF HAY.

The fee for the inspection of Hay in cars shall be forty (40) cents per car, to be paid by the owner or seller; all Hay in sight at both doors to be inspected. On any complaint at the unloading of the car the Inspector shall reinspect, with an additional charge of sixty (60) cents per car, and and in no case shall the charge be less than sixty (60) cents for reinspection. All facilities and additional expenses for reinspection must be furnished by the party calling for reinspection. The fee for inspecting at the river shall be two (2) cents per bale for large bales; one (1) cent per bale for half and third bales; and one-half (½) cent per bale for quarter bales, to be paid by the owner or seller.

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## RULES GOVERNING COMMITTEE ON WEIGHING INSPECTION.

SECTION 1.—*Appointment of.*—The Board of Directors shall annually, in the month of February, appoint a Committee on Weighing Inspection, consisting of five members, all of whom shall be dealers in grain and hay.

SEC. 2.—*Duties of Committee.*—It shall be the duty of the Committee on Weighing Inspection to hear, consider and determine all disputes, differences and controversies arising between members relating to official weighing under the rules regulating public weighing within the jurisdiction of the Chamber of Commerce, that may be voluntarily submitted to it, and to discharge all such other duties as may be imposed upon it. Also, to similarly consider cases wherein the complainant is a non-member, provided he be represented by a member of the Association, and makes payment to the Association of a sum to be fixed by the Committee, which shall not exceed ten dollars.

SEC. 3.—*Quorum and Vacancies.*—Three members of the Committee on Weighing Inspection shall constitute a quorum for the transaction of business. All temporary vacancies in the Committee when it has met for the purpose of considering questions in dispute may be filled by the quorum of members present, if so requested by both parties, or shall be filled by the President of the Chamber of Commerce, if either of the parties to the controversy requests it, before the case is opened. Such temporary appointees shall act on the Committee only during the trial or hearing of a case then before it, and in their selection they must be representatives of the same lines of business as the absent members of the Committee.

SEC. 4.—*How Controversies Are To Be Submitted.*—Any party who desires to submit any controversy under the rules regulating public weighing to the Committee on Weighing Inspection for determination, shall file with the Committee a written statement of his claim, which statement must contain specifications as follows:

1. The name of the firm or parties making the complaint, and who shall be known as the "complainants;"
2. The name of the firm or parties against whom the complaint is made, and who shall be known as the "respondents;"
3. A statement of the facts constituting the cause of complaint in ordinary and concise language;
4. A demand of the relief to which the party supposes himself entitled.

This written statement shall be known as the "petition," and no other written statement shall be required to be filed by either complainant or respondent.

SEC. 5.—*Notice of Time of Hearing.*—Upon the petition named in Section 4 of this rule being filed, it shall be the duty of said committee to give notice to complainants and respondents of the time and place set for the hearing of the case. Such notice shall give the names of the parties, complainant and respondent.

SEC. 6.—*Adjournments.*—The committee may, at its discretion, adjourn the time for the hearing of any case, and, after the hearing has commenced, may adjourn from time to time the further hearing thereof to such time as it may deem best.

SEC. 7.—*Trial.*—On the trial of any case before the committee, the complainant, or any one of them, if more than one, shall first state his case fully and the evidence by which he proposes to sustain his case, giving the names of the witnesses and what he believes each witness will testify to. The respondent, or any one of them, if more than one, shall then state his answer fully, and what he claims in the transaction, and the evidence by which he proposes to sustain his side of the case, giving the names of the witnesses and what he believes each witness will testify to. The decision of a majority of the committee present and trying the case shall be held as valid and binding and shall be entered of record in the records of said committee.

SEC. 8.—*Notice of Decision.*—Written notice of any final decision rendered by the committee shall be given to the parties, complainant and respondent, as soon as possible after rendering the same.

SEC. 9.—*Appeal and Notice Thereof.*—Any party to the controversy who may feel aggrieved by the final decision of the Committee on Weighing Inspection may appeal the case to the Committee of Arbitration within three days after the delivery of the decision. Notice of the appeal must be made to the Superintendent in writing by the party appealing.

SEC. 10.—*Record.*—The Committee on Weighing Inspection shall keep a record of its proceedings, and shall leave the same with the Superintendent of the Chamber of Commerce. Said record may be inspected by any member upon application to the Superintendent.

Adopted by the Board of Directors, January 2, 1906.

## RULES GOVERNING PUBLIC WEIGHING.

RULE 1.—The Board of Directors of the Chamber of Commerce shall have power to establish a Weighing Bureau, under the charge of a Chief Weigher, who shall have supervision of official weighing within the jurisdiction of the Chamber of Commerce.

RULE 2.—The Chief Weigher shall be appointed by the Board of Directors of the Chamber of Commerce; in the first instance, at a time suitable to the inauguration of a Weighing Bureau, and thereafter on the second Tuesday of February of each year, or in case of failure to make such appointment at that time it may be made at any meeting thereafter. An appointment of Chief Weigher shall be revocable at any time by action of the Board of Directors.

RULE 3.—The Chief Weigher shall be authorized to appoint assistants to act as weighers under his supervision, such appointments to be subject to approval of the Board of Directors, or of a committee thereof empowered to act. The Chief Weigher shall have authority to suspend from service any weigher under his charge. In case of so acting he shall submit a statement explanatory of such action, with specifications in writing to the Board of Directors, which may authorize the Chief Weigher to dismiss the person complained of from service if this be deemed justifiable or called for under the evidence. He shall have supervision and direction of all weighers, and shall require from them such reports as are necessary incident to their service. He shall superintend all the scales, and shall see that they are kept in proper working order, and shall frequently test the correctness of such scales by standard weights. He shall cause to be kept a record of all such matters. He shall assign weighers to the places of weighing, and may transfer them from one location to another, as occasion may call for. He shall make such reports to the Superintendent and to the Board of Directors as may be designated by the Board of Directors. He shall collect or shall provide for the collection of fees for weighing, and shall pay into the Chamber of Commerce all such amounts; this provision not applying to charges for services of weighers represented by fixed amounts on a monthly basis. He shall furnish a bond as security for faithful performance of his duties, such bond to be in an amount required by the Board of Directors.

RULE 4.—Weighers shall keep correct records of the property weighed, in books kept for that purpose. Such records must show the kinds and amounts of property weighed, the dates on which it was weighed, the numbers and the initials of the cars from which it was weighed, or the cars into which it was weighed or transferred, and such other particulars as may be designated by the Board of Directors.

RULE 5.—Weighers shall examine the condition of every car they weigh, and shall make records accordingly, giving full particulars if the car be found in bad order in any way, and the nature of any damage, and whether the car was or apparently had been leaking, much or little.

RULE 6.—Weighers shall seal the cars with weigher's seals after the property has been weighed and loaded into the cars, such seals to be furnished by the Chamber of Commerce. It shall be misconduct for any person not a weigher to break a weigher's seal affixed to any car of grain or other produce. Cards shall be furnished by the Weighing Bureau, designating the initials and car numbers of cars officially weighed for shipment, indicating that such cars to which these cards are attached have been weighed by the Cincinnati Chamber of Commerce Weighing Bureau. Such cards shall be attached by the weigher to all officially weighed outgoing cars.

RULE 7.—Weighers shall make daily reports to the Chief Weigher, with such details as may be required by him for maintaining a complete record at the Weighing Bureau of all the work of the Weighers.

RULE 8.—The Chief Weigher shall be paid a salary by the Chamber of Commerce, to be fixed by the Board of Directors. The weighers under his charge shall be paid salaries by the Chamber of Commerce, to be fixed by the Board of Directors, and to be graded according to the importance and responsibilities of services and location, under recommendation of the Chief Weigher.

RULE 9.—Weighers shall be furnished to private elevators and private warehouses on application of proprietors thereof, and upon approval of the Board of Directors; and for such services of weighers they shall make payments to the Weighing Bureau on a monthly salary basis, to be fixed by the Board of Directors, but in no case to exceed sixty dollars per month.

RULE 10.—Superintendents of public elevators and superintendents of public warehouses may be appointed official weighers, without expense to the Chamber of Commerce or the Weighing Bureau. Weighers thus appointed shall act under the full control, supervision and direction of the Chief Weigher. For services of such weighers there shall be charged and paid into the Weighing Bureau the regular fees for all weighing done by them. They shall make reports to the Chief Weigher in the same manner required of all weighers under his charge.

RULE 11.—In all cases where railroads entering Cincinnati shall establish, maintain and operate at their own expense suitable wagon scales, convenient to their regular unloading yards, and shall be represented by membership in the Chamber of Commerce, weighers shall be stationed at these scales by the Weighing Bureau. Sums sufficient to pay the salaries of weighers so furnished shall be paid by the railroad companies to the Weighing Bureau, and weighers so furnished shall be under the supervision and direction of the Chief Weigher, and shall make reports to the Chief Weigher, and for services of such weighers there shall be charged and paid into the Weighing Bureau the regulation fees, and such weighers shall in all respects act as required of other weighers.

RULE 12.—There shall be a number of weighers unassigned to any location sufficient to act in weighing grain, hay and other commodities where a weigher is not continuously located.

RULE 13.—All wagons to be used in the removal of contents of a car to be weighed must be weighed empty prior to loading from the car, and such wagons must be stripped of all movable covers, tarpaulins or other articles. All boxes attached to such wagons must be opened and inspected by the weighers before such wagons are weighed. Empty wagons must be weighed as often as the weigher requires. No wagon shall be allowed to go to cars after 6 o'clock P. M., or before 6 o'clock A. M., without the weigher having been notified of such intention and giving consent thereto. No sacks shall be allowed to be weighed in empty wagons.

RULE 14.—When weighing in carload lots on private track scales, weighers shall weigh gross and tare on the same day, and if any weather changes between time of weighing gross and tare during same day, then cars must be reweighed. If a car cannot be transferred on day of weighing gross, it must be reweighed on the day of transfer.

RULE 15.—When contents of a car are to be weighed on wagon scales, or at places where a weigher is not continuously located, the unloading must be completed by the buyer by or before the close of the day following the starting of the unloading, unless longer time be authorized by the Chief Weigher. Under any delay beyond the time so specified or authorized the car shall be closed and sealed by the weigher, and there shall be a charge of two dollars per car per day for the period of such delay, to be paid by the buyer to the Weighing Bureau.

RULE 16.—The charge for weighing shall be as follows: Where a weigher is continuously located, fifty cents per car for grain and one dollar per car for hay; where a weigher is not continuously located, one dollar per car for grain and for hay.

RULE 17.—Where weighers are furnished to private elevators and private warehouses, the proprietors thereof shall, in addition to the monthly salary payment to the Weighing Bureau, pay fifteen cents per car for grain weighed in, and thirty cents per car for hay weighed in; these additional payments to apply toward cost of maintenance of the Bureau.

RULE 18.—The fee for weighing shall be paid by the shipper. Where the fee is one dollar per car for weighing grain, the seller may charge the buyer one-half of the weighing fee. On all transactions representing purchases on track or to arrive, when bought on Cincinnati weights, or shipped on consignment on such terms, official weights shall govern, and official certificates shall be furnished the seller or consignor.

RULE 19.—Weighing of grain, hay and feed shall be at the place of delivery, unless otherwise agreed between seller and buyer; the place of delivery to include any point where the Chamber of Commerce maintains a weigher.

RULE 20.—Official certificates of weight shall be issued by weighers acting under the Chamber of Commerce, such certificates to be of such form as authorized by the Board of Directors. Official certificates must show the entire contents of each car unloaded, designating the number of bales or sacks, if so loaded, and must show the initial and car number from which the property was unloaded. For grain, hay or feed, certificates shall report also the condition of the car, with such other details as the nature of the case calls for. Original and duplicate certificates shall be furnished to the party ordering the weighing, and if the weighing is not by order of the seller he shall be entitled to receive a copy of the certificate.

RULE 21.—At all places where a Chamber of Commerce weigher is located, all grain, hay or feed shall be weighed when loaded out in carload lots, but there shall be no fee charged for this weighing out.

RULE 22.—Upon application or request of railroad companies maintaining wagon scales as provided for in these rules, and in consideration thereof there shall be furnished to such railroad companies by the Chief Weigher, official Chamber of Commerce certificates on any property that shall have been weighed by the Weighing Bureau, and in which the railroad companies applying for certificates may be interested; provided, however, that any railroad company not having established wagon scales as provided for in these rules, shall be furnished with official Chamber of Commerce certificates on any property that shall have been weighed by the Weighing Bureau, and in which the railroad company so applying may be interested, upon the payment of a fee of fifteen cents per car for all certificates so requested.

RULE 23.—No weigher acting under the Chamber of Commerce shall be permitted to weigh commodities in which he is interested as buyer or seller.

The Weighing Bureau began operations January 16, 1906, under these rules.

## RULES GOVERNING THE FLOUR TRADE.

RULE 1. The Board of Directors shall have power to appoint a Flour Inspector, who shall receive compensation for inspection services by fees charged and collected by him, or by employment by the Chamber of Commerce under a fixed salary, as may be determined upon by the Board of Directors. If the service be performed under salary arrangement the fees for inspection shall be paid into the treasury of the Chamber of Commerce. The Flour Inspector shall give bond to the satisfaction of the Board of Directors for faithful performance of his duties; such bond shall provide for and be surety for damages assessed against him by the Flour Inspection Committee. The Board of Directors shall have power to suspend or dismiss an Inspector at any time. An Inspector shall not be directly or indirectly engaged in the Flour trade.

The Flour Inspector, if appointed and serving on a salary basis, shall perform all clerical work incident to his official duties; he shall collect all inspection fees due for his services, and shall account to the Chamber of Commerce for all moneys collected by him for inspection, or from other sources, such settlements with the Chamber of Commerce to be made at the end of each week. On

the first day of each month he shall render a statement to the Superintendent of the Chamber of Commerce, showing the number of barrels or sacks of flour inspected during the preceding month, with names of persons for whom the inspections were made, and the amount collected and remaining due, with names of persons so represented. He shall furnish such other information pertaining to his office as the Board of Directors may call for. He shall keep an accurate record of his inspections, which shall be available at all times for examination of the Superintendent of the Chamber of Commerce, or of any person acting for him. All expenses, including employment of deputies or assistants, incurred by the Inspector in the performance of his official duties shall be assumed and paid by him.

RULE 2. The Inspector shall, when directed, carefully inspect Flour submitted to him, and decide on its grade and soundness, being governed by the standards furnished by the Flour Inspection Committee, and may brand it, using stencils indicating grade and Cincinnati Chamber of Commerce inspection, and the month in which it is inspected in numerals. An appeal may be taken to the Flour Inspection Committee from the decision of the Inspector, and he shall brand the Flour according to the decision of said committee.

RULE 3. The Inspector, failing to grade Flour in accordance with the standards furnished, shall be liable for any damage resulting from such failure, and shall be subject to pay such fines as the Flour Inspection Committee may deem proper to impose.

RULE 4. Flour offered for inspection or examination shall be placed in such a position that it may be carefully examined by the Inspector; and should the owner or buyer, upon removing the Flour to his store or warehouse, find any of it not inspected, it shall be the duty of the Inspector to complete the inspection of said Flour upon the request of either the owner or buyer.

RULE 5. The fee for inspection of Flour shall be two (2) cents for each barrel inspected, to be paid by the receiver or owner. Flour drawn from the barrels shall be disposed of for account of the Chamber of Commerce, if inspection service is by salary, otherwise for account of the Inspector.

RULE 6. The scoop used by the Inspector shall not exceed one inch in diameter and thirty-two inches in length, exclusive of the shank of the handle, and not more than one scoopful shall be drawn from each barrel.

RULE 7. The Inspector shall, at the request of the party for whom the Flour is inspected, furnish certificate stating brand, number of barrels, and grade; and if the barrels of any lot of Flour are short in weight, not head-lined, or unfit for the proper conveyance of Flour, it shall be his duty to insert same in his certificate.

RULE 8. The Inspector shall, without extra charge, weigh at least one (1) barrel of each twenty-five (25) barrels inspected, when packed in wood, or an equivalent amount when packed in sacks, and if found to be below the weight of the standard weight of the package, he shall not brand it but shall notify the party who ordered the inspection.

RULE 9. The standard weight of a barrel of Flour shall be one hundred and ninety-six (196) pounds net. When Flour is sold in sacks, and sacks included, the gross weight shall be considered as actual weight, and in collating the result any overweight shall be taken to offset an equal amount of light weight.

RULE 10. Any defacing or changing of any Inspector's brand or marks placed by him on barrels or sample bags, by any person or persons, shall be reported by the Flour Inspection Committee to the Board of Directors; but the Inspector's brands on the barrels may be entirely removed, leaving the Flour to stand the same as if it had never been inspected.

RULE 11. Sales of Flour shall be for cash on delivery, unless otherwise agreed. If delivery is delayed for convenience of buyer, the terms shall be cash on presentation of the bill. If payment of bill is refused for supposed light weight or damage, or error in the account, no greater amount shall be withheld than the damage, loss or error claimed.

RULE 12. When Flour is sold by sample or grade guaranteed, it must be inspected at the place where sold (there being no agreement to the contrary), and if not equal to sample, seller shall be compelled to furnish flour equal to sample or to make satisfactory settlement with the purchaser. If no agreement can be made, the settlement shall be determined by the Flour Inspection Committee, whose decision shall be binding.

RULE 13. A rejection of Flour shall not be valid unless notice thereof in writing shall be given the seller within forty-eight hours after the delivery. In case of Flour at railroad depots, wharves, or general storage warehouse, delivery of the railroad notice or order on the railroad company or warehouse to the purchaser shall constitute a tender of delivery.

RULE 14. Flour shall not be considered in merchantable condition unless in good barrels and head-lined, or in good sacks. Flour when sold in barrels and not head-lined may be head-lined by the buyer at an expense not to exceed two (2) cents per barrel, at the expense of the seller, unless otherwise agreed.

RULE 15. All Flour sold at railroad depots, or river or canal landings, shall be at the risk of the buyer after six o'clock in the afternoon of the day following the day on which the order is given for the same.

RULE 16. Sales of Flour may be entered on the Sales Book of the Chamber, but all sales recorded must be "cash" sales, and if not "cash" sales the condition of sale must be expressed.

RULE 17. Sales can not be recorded unless grade is established by inspection, and if grade is not established by inspection they can be recorded as sold "by sample."

RULE 18. Sales recorded upon the Sales Book will be recognized as reflecting the daily market values, and in the event of no sales being recorded it shall be the duty of the Market Reporter to call upon the Quotation Committee, whose duty it will be to make the quotation upon that day.

RULE 19. The standards of grades of Flour shall be as follows: *Winter Wheat*—Patent, Fancy, Family, Extra. *Spring Wheat*—Patent, Fancy, Family.

RULE 20. The Board of Directors shall, annually, after their election, in the month of February, appoint a Committee on Flour Inspection, consisting of five (5) competent members of the Cincinnati Chamber of Commerce who are known as members of the Flour trade. It shall be the duty of this committee to properly discharge the obligations imposed upon them, to consider and decide all disputes pertaining to matters of inspection arising between members dealing in Flour which may be submitted to them. A majority of the committee shall constitute a quorum, and a decision of a majority of those present shall be final and binding.

RULE 21. It shall be the duty of the Flour Inspection Committee to exercise general supervision over the inspection. They shall, each year, within two weeks after their appointment, establish standards of Flour for the following year, and secure and place in boxes in the Exchange Hall, for the use of the Inspector and dealers, and every three months renew fresh standards, but not with a view of changing the standards established.

Adopted by the Board of Directors, December 5, 1905.

## RULE GOVERNING SALES OF HOGS.

In sales of Live Hogs, dockage shall be allowed on the following basis: On animals weighing over two hundred (200) pounds—Stags, eighty (80) pounds; Piggy Sows, forty (40) pounds. On animals weighing two hundred (200) pounds and under—Stags, forty (40) pounds; Piggy Sows, twenty (20) pounds.

The dockage to be agreed upon by the buyer and seller; in case of any dispute, then a third party shall be called in to decide the proper dockage, and the party losing shall pay to the arbitrator one (1) dollar for each and every time he shall serve.

## RULES FOR THE GOVERNMENT OF THE PROVISION TRADE.

RULE 1. The Committee on Provision Inspection shall act as referees in all cases of complaints against Inspectors, or the inspection of any lot of Provisions, or any matters of business pertaining to the same; but the buyer shall, in all cases, have the right to designate his own Inspector; but in case the seller feels that injustice is being done, he shall have the right to call upon the Committee of Inspection, whose decision shall be final and binding. Any Inspector agreed upon by parties to a transaction, shall be regarded as a regularly authorized Inspector, subject to the rules of the Chamber, and the Committee on Provisions shall constitute the committee on reference.

RULE 2. Pork products packed between November 1st and March 1st shall alone be classed as "Standard."

RULE 3. In sales of fully cured Meats, or to be fully cured and delivered at a specified time, the seller must deliver in good faith according to contract, the Inspector to be the judge, who shall always be fully informed of the conditions of the contract before proceeding to inspect. Where sales of Dry Salted Meats are made without other specifications, it shall be considered that the sales contemplate Meats fully cured, the Inspector to be the judge.

RULE 4. In case of no specific agreement, the saltage allowed on Bulk Meats shall be one (1) per cent. from the 1st of November to the 1st of May; but should the buyer or seller object, the Inspector shall sweep as many drafts as he may consider necessary, and the percentage thus obtained shall be binding on both parties. But from the 1st of May to the 1st of November, the tare shall be ascertained by washing in cold water with a cloth, in case of no special agreement to the contrary. A drainage of four to five per cent. shall be allowed on Pickled Hams and Shoulders.

RULE 5. To determine the tare on Lard, the package shall first be weighed gross, the Lard then removed, and the empty package subjected to dry heat and drained; after which the empty package shall be weighed, and its weight deducted from the gross weight. The difference thus obtained shall be considered the net weight of the Lard.

RULE 6. Three hundred and forty pounds, net, shall be the average weight of a tierce of Lard upon which all settlements with contractors shall be based; but the number of packages the contract calls for must be delivered, and the difference, if any, settled at the market price on the day of delivery. At least two tierces in one hundred shall be stripped to determine the average tare.

RULE 7. Five hundred pounds, net, shall constitute a box of Cumberland Middles, and four hundred and seventy-five to five hundred and twenty-five pounds, net, shall constitute a box of all other English cuts of Middles, Shoulders and Hams, and all boxes containing over five hundred pounds of Meat to have a third strap around the box. All settlements of contracts shall be made on a basis of five hundred pounds per box, net, for Cumberland cut, and for all other English cuts of Meats.

RULE 8. If, on inspection of a fair sample of Bulk Meats, twenty (20) per cent., or over, is found to be sour, the buyer shall not be required to take the lot.

RULE 9. All the foregoing rules must be justly and liberally construed, and no property shall be rejected or condemned on a mere technicality.

RULE 10. Contracts for 100,000 pounds of bacon or dry salted meats, loose, or for a larger amount, deliveries can be made on seller's option, or called for on buyer's option, in quantities of not less than 100,000 pounds.

Contracts for 100 tierces of hams, or shoulders in pickle, smoked or canvased, or for a larger amount, deliveries can be made on seller's option, or called for on buyer's option, in lots of not less than 50 tierces, nor less than 50 tierces of one brand.

Payment to be made as lots are delivered.

RULE 11. It shall be the duty of the Inspector of Provisions to weigh stuff when called upon, receiving therefor a fee of five (5) cents per each one thousand (1,000) pounds, in addition to the inspection fee—the party ordering the weighing to be responsible for the fee.

RULE 12. The Inspector shall keep a record, in detail, of every examination he may make, that he may be qualified to testify positively in event of a dispute.

RULE 13. For the examination of provisions sold as "Regular," it shall be the duty of the Inspector (or his deputed assistants), on receiving notice, to go to any packing house or warehouse in the city to examine provisions in such quantities as may be required, selecting the same in such manner, from the lots specified, as in his judgment will give a fair sample of the whole.

RULE 14. If upon examination it is found in all respects up to the requirements, according to the classification or grades adopted by the Chamber of Commerce, he shall issue certificates to that effect.

When necessary to remove property for the convenience of examination, it shall be the duty of the Inspector to send for the same, that a fair sample may be obtained.

In no case should a certificate be granted on samples delivered by the seller.

RULE 15. The Inspector shall be entitled to receive as compensation for examining Provisions, as follows: For Beef and Pork, in barrels, five dollars for the first five barrels, the Inspector furnishing labor and other requirements, and seeing that the property is properly repacked and rebrined, and fifty cents for each additional barrel examined—payable by the buyer if regular, and by the seller if rejected, and cartage when removed; and for Bulk, Bacon or Boxed Meats, fifteen cents per one thousand pounds, payable by the buyer. For inspecting Lard, five cents per package, payable by the buyer if accepted, or by the seller if rejected; and for stripping Lard, one dollar per package, to be paid by the buyer. Five barrels of Pork or five tierces of Lard to be sufficient to sample any lot sold, unless otherwise agreed between buyer and seller.

RULE 16. It shall be the duty of the Inspector, when requested by the owner, either at any packing house, warehouse, or in yards provided by the Inspector, to overhaul and inspect Provisions according to the qualifications and classifications authorized; two hundred pounds of meat, with abundance of good salt, to be repacked in each barrel, and cooperage to be put in good order. Each barrel of Provisions that is sound, sweet, and free from any and every defect, to have grade and date of inspection branded thereon, and the word "Repacked," as hereinafter specified; and any portion that is defective, to be branded in like manner "Rusty," "Sour," or "Tainted," as the case may be; the said brand to be placed, with the Inspector's brand, across the regular packer's brand, such Pork, according to the grade or quality, to be classed as "Repacked, 200 pounds."

RULE 17. The Inspector shall use metallic letters and figures or marking iron for his dates and classes of inspection.

RULE 18. It shall also be the duty of the Inspector to put his metallic brand or marking iron on samples of Provisions in packages that he inspects; and he shall pass no Pork products as "Regular" unless the real packer's name of the product contained therein is branded, according to these rules, on the head of each package.

RULE 19. In all cases of sales of Provisions as "Regular," the Inspector shall examine and inspect when called on; and if the property be up to the requirements, he shall issue a certificate simply for so many barrels or packages of product (naming it), for so many pieces or pounds of meat (naming the kinds).

RULE 20. Should the Inspector be called on to inspect Pickled Meats, and upon examination he should be of the opinion that the number of pounds required by these rules had not been packed, he shall not pass it as "Regular," but shall refer it at once to the Inspection Committee, who shall investigate, and if a satisfactory axplanation can be given or arrived at, they shall instruct the Inspector to proceed and inspect and pass it; but if not satisfactory to the Committee, they shall, in their judgment, make the fact known to the Provision Trade in any way they may think proper.

RULE 21. All "Hog Products" to be "Regular," must be from corn-fed slaughtered hogs, not frozen before cutting, and shall average not less than twelve pounds for Shoulders, or thirty pounds for Sides, and must run at least eighty per cent. sweet.

No hogs shall be killed on the same day on which they arrive at the pens of the slaughter-house.

RULE 22. Where Meat is in store, it shall be weighed and inspected in store; where Meat arrives by river, rail or canal, it shall be inspected and weighed at house of buyer.

RULE 23. In all sales of Provisions for future delivery, either party may call for a margin, at any time, unless it is expressly understood between the parties, at the time the contract is entered into, that such call can not be made. In the absence of a special contract, either party shall be entitled to a margin equal to ten (10) per cent. of the market value of the article contracted to be delivered, the same to be kept good. Twenty-four (24) hours notice in writing to residents, and forty-eight (48) hours notice in writing or by telegraph to non-residents, shall be given on a call for a margin, and where a party fails to respond to such call within the said time, the property may be sold at public auction, on the floor of the Merchants' Exchange, during 'Change hours, on the following day, "for account of whom it may concern."

RULE 24. All barreled Provisions offered for sale as "Regular" in this market must be cut, selected and packed, in all respects, as to quality and condition, equal to the classification of inspection as adopted by the Chamber of Commerce.

RULE 25. Unless otherwise stipulated, in all sales made of any of the grades of Provisions represented as "Regular," the seller shall be bound to fulfill his sale by the delivery of the quality called for by such sale, and which, on examination by the Inspector, has been certified by him to have been packed according to the classification, and is, at the time of delivery, in good merchantable condition in every respect.

Provisions from which any surplus gain has been removed, can not be classed as "Regular."

RULE 26. All Provisions sold in this market, in the absence of special agreement, shall be deemed "Regular," and the property must comply with the requirements of the Rules of Inspection of the Board. All Provisions sent to this market for sale, which are, in all respects, in conformity with these rules, shall be classed as "Regular."

RULE 27. No original weight shall be taken out of any package of Provisions, without removing the original packer's brand *entirely* from the head of the package, and the brand "Repacked" burned in the head distinctly.

RULE 28. In all cases, Product should be sold "Regular," but in case a particular brand is sold, and, upon examination, the Product will not inspect "Regular," the buyer shall elect to take another brand, or the difference in value of the special brand shall be settled between the buyer and seller.

RULE 29. On sales of Provisions for future delivery, on buyer's option, if the buyer call before the expiration of the month of contract, the seller, if he so elect, shall in case of barreled meats and lard in tierces, have two working days' notice, and for boxed meats, pickled or smoked hams, and shoulders in tierces, or dry salted meats, four working days to prepare property for delivery; and when, at the option of seller, the seller tenders before the expiration of the month of contract, the buyer, if he so elect, shall have the same time to prepare for receiving the same.

RULE 30. Buyers of Provisions on time contracts shall have the right to inspect before the day of delivery, provided they send an Inspector in time to allow the inspection to be completed before the expiration of the contract; but, failing to do so, the seller shall have the privilege of having the property inspected, the cost to be paid by the buyer.

RULE 31. Where the buyer of Provisions fails to avail himself of the privilege of inspection, in the absence of any special agreement upon the part of the seller to guarantee his product, the liability of the seller shall, as to quality, saltage and weights, cease when the product shall have left his house.

## RULES GOVERNING INSPECTORS, WEIGHERS, MEASURERS AND GAUGERS.

RULE 1. Inspectors, Public Weighers, Measurers and Gaugers, appointed by the Cincinnati Chamber of Commerce, are not allowed to inspect, weigh, measure or gauge any commodity in which they are directly or indirectly interested.

## RULES FOR THE CUT AND MANUFACTURE OF THE HOG PRODUCT.

### BARRELED PORK.

MESS PORK.—Mess Pork shall be cut and packed from Sides of well-fatted Hogs, in strips; the Hog to be first split through the backbone, or, if split on one side, then an equal proportion of hard and soft sides, as they are termed, must be packed, properly flanked, and not back-strapped. One hundred and ninety pounds of green meat, numbering not over sixteen pieces, including the regular proportion of flank and shoulder cuts, four layers placed on edge, without excessive crowding or bruising, must be packed into each barrel, with not less than thirty-five pounds of good foreign, or forty pounds of good domestic, coarse salt, and filled up with good, clear brine, as strong as salt will make it. The pork to be cut reasonably uniform in width. The packer's name and location, the date of packing, and the number of pieces and pounds of green meat in each barrel must be branded on the head with a metallic brand, marking-iron or stencil brand, at the time of packing.

PRIME MESS PORK.—Prime Mess Pork shall be made of the Shoulders and Sides of nice, smooth fat Hogs, weighing from 100 to 160 pounds, net, regularly cut into square pieces, as near four pounds each as possible, the shank to be cut off close to the breast. Each barrel to contain one hundred and ninety pounds of green meat, in the proportion of twenty pieces of shoulder and thirty pieces of side cuts, and to be packed with twenty pounds of good coarse salt, with the addition of eight ounces of saltpeter. The Prime pieces should be cut clear of the blade-bone. The shoulder pieces not to exceed eighty-five pounds in each barrel.

EXTRA PRIME PORK.—Extra Prime Pork shall be made from heavy, untrimmed Shoulders, cut into three pieces, the leg to be cut off close to the breast, to be packed one hundred and ninety pounds of green meat into each barrel, with the same quantity and quality of salt as Mess Pork.

LIGHT MESS PORK.—Light Mess Pork shall be made from the Sides of reasonably well-fatted Hogs, and in all other respects to be cut, selected, and packed the same as Mess Pork, except that as many as twenty-two pieces may be put into each barrel.

FAMILY MESS PORK.—Family Mess Pork shall be made from Backs of Hogs, after bellies have been taken off, cut into pieces about six pounds each, and in all other respects to be selected and packed in the same manner as Mess Pork.

EXTRA SHOULDER PORK.—Extra Shoulder Pork shall be made from heavy, trimmed Shoulders, cut into three pieces; the leg to be cut off close to the breast, and in all other respects selected and packed in the same manner as Extra Prime Pork.

EXTRA CLEAR PORK.—Extra Clear Pork shall be made from the Sides of extra heavy, well-fatted Hogs, the back-bone and ribs to be taken out, the number of pieces in each barrel not to exceed fourteen, and in all other respects to be cut, selected, and packed in the same manner as Mess Pork.

CLEAR PORK.—Clear Pork shall be made from the Sides of extra heavy, well-fatted Hogs, the back-bone and half the rib next to the back-bone to be taken out, the number of pieces in each barrel not to exceed fourteen, and in all other respects to be cut, selected, and packed in the same manner as Mess Pork.

CLEAR FAMILY MESS PORK.—Clear Family Mess Pork shall be made from the Backs of heavy well-fatted Hogs, after bellies have been taken off and back-bone and ribs taken out, cut into pieces of about six pounds each, and in all other respects to be packed in the same manner as Mess Pork.

RUMPS.—Rumps shall be trimmed with only enough taken off to make them neat and smooth, the tails cut off close, each barrel to contain one hundred and ninety pounds of green meat, packed in the same quantity and quality of salt as Mess Pork, and the number of pieces to be similarly branded on each barrel at the time of packing.

## PICKLED MEATS.

STANDARD SWEET PICKLED HAMS.—Standard Sweet Pickled Hams shall be cut short, and well rounded at the butt, properly faced, shank cut just in or above the hock-joint, to be reasonably uniform in size and average. Three hundred pounds, block weight, shall be placed in each tierce.

STANDARD SWEET PICKLED SHOULDERS.—Standard Sweet Pickled Shoulders shall be well cut and trimmed, shank cut in or above the knee-joint, to be reasonably uniform in size. Three hundred pounds, block weight, shall be packed in each tierce.

NEW YORK SHOULDERS.—New York Shoulders shall be made from small, smooth Hogs, shank cut off one inch above knee-joint, trimmed close and smooth, reasonably uniform in size, and to average, in lots, not to exceed twelve pounds. Three hundred pounds, block weight, shall be packed in each tierce.

SWEET PICKLED BELLIES.—Sweet Pickled Bellies shall be made from nice, smooth Hogs, well cut and trimmed, to average in lots, not to exceed ten pounds. Three hundred pounds, block weight, shall be packed in each tierce.

BRANDING.—The packer's name, location, number of pieces and date of packing shall be branded on the head of each package of Pickled Meats at the time of packing.

UNIFORMITY OF PICKLED MEATS.—All Pickled Meats shall be sized when packed—the light, medium and heavy separately, as near as practicable.

## CUT MEATS.

HAMS.—Hams shall be cut short, well rounded at the butt, properly faced, cut just in or above the hock-joint.

SHOULDERS.—Shoulders shall be cut at right angles to the side, and as close as possible to the back part of the fore arm-joint, butted off square on top, neck-bone and short ribs taken out, blood-vein lifted and cut out, breast-flap to be trimmed off, and foot to be cut off in or above the knee-joint.

BLADED SHOULDERS.—Bladed Shoulders shall be cut the same as "Standard Shoulders," excepting the shoulder-blade to be taken out and the corners rounded.

BLADE SHOULDERS.—Blade Shoulders shall be cut with neck removed, blade left in, properly rounded, short shank, and to weigh not less than six pounds nor more than ten pounds.

ROUGH SIDES.—Rough Sides shall be made by splitting the Hog through on one side of the back-bone, and an equal proportion of both Sides must be delivered on sales, to make them "Standard."

SHORT CLEAR SIDES.—To make Short Clear Sides, the back-bone, breast-bone, and ribs shall all be taken out, and hench bone sawed down smooth and even with the face of the Side, feather of blade-bone not to be taken out, edges to be left smooth, Sides not to be back-strapped or flanked.

SHORT RIB SIDES.—To make Short Rib Sides, the back-bone should be taken out, hench-bone and breast-bone sawed or cut down smooth and even with the face of the Side, feather of blade-bone not to be taken out, and side not to be back-strapped or flanked.

LONG CLEAR SIDES.—To make Long Clear Sides, the back-bone, shoulder-bones, ribs, and breast-bone must be taken out, leg cut off close to the brisket, hench-bone sawed down smooth and even with the face of the Side, and the Sides not to be back-strapped or flanked.

CUMBERLAND SIDES.—To make Cumberland Sides, the Side and Shoulder should be left together in one piece; foot cut off in or above knee-joint; shoulder ribs, neck-bone, and back-bone taken out; blood-vein lifted and cut out; hench-bone and breast-bone sawed or cut down smooth and even with the face of the Side, and Sides not be back-strapped or flanked. Ribs must not be scribed.

LONG RIB SIDES.—Long Rib Sides to be made same as Cumberlands, except that the shoulder-bones must be taken out, and leg cut off close to the brisket.

STRETFORD SIDES.—Stretford Sides shall be made from Hogs weighing about 140 to 160 pounds, net; back-bone and half the ribs taken out, blade-bone taken out, knuckle left in, and leg cut off close to the breast.

BIRMINGHAM SIDES.—Birmingham Sides shall be made from Hogs weighing about 170 pounds net; back-bone, ribs, and blade-bone taken out, pocket-piece cut out, and pocket nicely rounded, knuckle-bone left in, and leg cut off close to the breast.

SOUTH STAFFORDSHIRE SIDES.—South Staffordshire Sides shall be made the same as Birmingham, except loin taken out full to top of shoulder-blade, leaving only a thin strip of lean along the back; knuckle left in, and leg cut off close to the breast.

YORKSHIRE SIDES.—Yorkshire Sides shall be made the same as Cumberlands, with the ribs out, the leg cut off about two inches above the knee.

IRISH CUT SIDES.—Irish Cut Sides shall be made the same as Long Clear, except top of the pocket cut off, knuckle-bone left in.

LONG HAMS.—Long Hams shall be cut from the Side by separating with a knife the hip-bone from the rump, properly rounded out, foot unjointed at first joint below the hock-joint.

SOUTH STAFFORDSHIRE HAMS.—South Staffordshire Hams shall be cut short, hip-bone taken out at the socket-joint, hock unjointed at first joint below the hock-joint.

UNIFORMITY OF BOXED MEATS.—In packing Meats in boxes, the pieces shall be classified—the light, medium and heavy separately, as nearly as practicable, in packages made to suit the different sizes.

## LARD.

CHOICE LARD.—Choice Lard to be made from leaf and trimmings only, either by steam or kettle-rendered, the manner of rendering to be branded on each tierce.

PRIME STEAM LARD.—Prime Steam Lard shall be standard, made from head, gut fat, leaf and trimmings, in the proportion in which the same come from the Hog.

CURRENT MAKE LARD.—Current Make Lard shall be standard, made from head, gut fat, leaf and trimmings, in the proportion in which the same come from the Hog; white and sweet; steam rendered.

## RULES FOR THE GOVERNMENT OF THE TRADE IN HOPS.

RULE 1. It shall be the rule that a bale of Hops shall weigh not less than one hundred and seventy-five (175) or more than two hundred (200) pounds; but the tender or delivery of any lot of Hops, on a sale or contract, averaging one hundred and eighty-five (185) to one hundred and ninety (190) pounds, shall be deemed a compliance with this rule.

RULE 2. The sacking of Hops shall not weigh more than twenty-four (24) ounces per yard, and seven (7) pounds shall be deducted from the weight of each bale as tare; and any additional weight of sacking or any extraneous matter shall be considered as irregular, and the seller be liable to the purchaser for such excess.

RULE 3. Each and every bale of Hops sold by the grower, either to a dealer or consumer, must be marked with his (the grower's) name or initials, and the name of the State where the Hops have been raised, and the year produced.

## RULES GOVERNING REPORTS OF SALES.

RULE 1. "Time Sales" may be entered on the daily Sales Book of the Chamber, with this condition specified.

RULE 2. Sales entered without conditions, will be understood to mean cash sales.

RULE 3. Sales in settlement of contracts, without the *bona fide* transfer of property, must not be entered as cash sales, but as "sales in settlement."

RULE 4. Sales consummated on refusals given the day before, may be entered with the conditions expressed.

RULE 5. Sales made up to 1:30 o'clock only, may be reported as late as 1:45 o'clock. Sales made after 1:30 o'clock may be reported the next day and entered as sales made "last evening."

RULE 6. All challenges of sales entered on the Sales Book must be made on the day of entry.

RULE 7. Entries on the Exchange Sales Book of sales of Grain and Hay are not to state grades, except when officially inspected. Other sales to be entered as "by sample."

*Sales of Wheat.*—No. 2 Red Winter Wheat, and sales by sample of sound grain testing over fifty-nine pounds, and not over sixty pounds, shall be recorded as "heavy." Grain testing over sixty pounds shall be recorded as "extra heavy."

*Sales of Corn.*—No. 2 Mixed or No. 3 Mixed Corn, when the inspection sample so shows, shall be recorded as "nearly yellow" or "nearly white." Ear Corn shall be designated as "poor," "sound," or "choice," and as "sound mixed nearly yellow," or "sound mixed nearly white," etc., as the case may be.

*Sales of Oats.*—Oats shall be designated as "light weight," or "heavy," as the case may be, with reference to the basis of weight in force, as established for the inspection from time to time. Also, as "nearly white," or "nearly black," as the case may be. Off-grade Oats should be designated as "poor," "good," etc., as the case may be.

RULE 8. Challenges of sales entered on the Sales Book shall be made to the Superintendent, and it shall be the duty of the Superintendent to at once institute an investigation of facts incident to the reported sale, whereupon, if the result shall justify and confirm the entry, it shall stand, otherwise it shall be removed under order of the Superintendent. On finding irregularity in any such entry, under investigation, it shall be the duty of the Superintendent to report accordingly to the Chairman of the appropriate Inspection Committee, whereupon such committee shall proceed to a formal investigation of all the facts in the case, and if it be found that the entry misrepresented the conditions attending the transaction, the said committee shall report to the Board of

Directors the result of such investigation, upon which the Board may order that the offending party shall be reprimanded, or may order that an announcement be made on 'Change that the offending party has been found guilty of serious irregularity in reporting an entry for the Sales Book, which announcement shall constitute the penalty for such offense. Whenever it shall come to the knowledge of the Superintendent that any member of the Association calls in question the accuracy of an entry on the Sales Book, even though no formal challenge be made, the Superintendent may, at his discretion, proceed to investigate the case in the same manner and with incident action as if a formal challenge had been reported.

RULE 9. Reports of sales should be made promptly after the transaction is consummated, and may be made by either seller or buyer. If reported by the buyer, the entry clerk should ask for name of the selling party, in order to avoid duplication.

RULE 10. The entry clerk shall ask the member reporting a sale for any information deemed essential to an accurate understanding of the transaction. If such information be refused, the entry clerk shall so report to the Superintendent, who will, at his discretion, investigate the matter, and, if regarded as of sufficient importance, may report to the Board of Directors accordingly.

RULE 11. Entries of sales shall not include transactions with nonmembers. Sales made between members elsewhere than on 'Change, if reported, should be qualified by notation on the Sales Book, "off 'Change," with also the designation "to-day" or "late yesterday," as the case may be, the latter implying a transaction after 'Change of the day preceding the entry.

RULE 12. An entry of a sale for delivery at a point not represented by regular freight and usual charges shall state "Delivery beyond Cincinnati rate point," or other qualification, reflecting conditions attending the transaction.

RULE 13. Sales for delivery at a point where there is a switching charge should indicate the amount of such charge, and if paid by the buyer should be so stated; otherwise, the entry to imply that the cost is assumed by the seller. When sales require delivery to be made by the seller, the cost of delivery shall be indicated in the entry, at the rate per 100 pounds, or per ton, or for switching per car, etc., as the case may be.

RULE 14. When sales are made to arrive for delivery at a Cincinnati rate point, the entry shall so specify.

RULE 15. Deliveries applied on contracts shall not be entered on the Sales Book.

RULE 16. Sales on the river landing shall so indicate in the entry.

RULE 17. Reports of sales of grain shall represent the following stated quantities as representing car loads: Wheat, 1,000 bushels; Shelled Corn, 1,000 bushels; Ear Corn, 700 bushels; Oats, 1,500 bushels; Rye, 1,000 bushels; Barley, 1,000 bushels.

## RULE GOVERNING SALES OF DISTILLERS' FINISHED GOODS.

Distillers can quote their aggregate sales of finished goods on any one day by giving the total number of barrels, and the basis price on which such sales are made, or, if based on different prices, the total number of barrels at each basis. Sales can not be quoted after the sounding of the gong; and the majority of the sales at a certain basis shall make the Distillers' basis for the day.

## RULES GOVERNING THE BUTTER AND CHEESE TRADE.

RULE 1. The following rules shall govern the purchase and sale of Butter and Cheese by and between members of the Cincinnati Chamber of Commerce, other than specially provided for by the Call Board rules.

RULE 2. There may be a Call for the purchase and sale of Butter, Eggs and Cheese, or Butter, Egg and Cheese contracts during 'Change hours on all business days. The Call shall be after such forms as the Board of Directors may adopt, and shall be made to cover all grades of Butter and Cheese, and may be varied during the different seasons as may be required.

RULE 3. An Inspector shall be appointed by the Board of Directors, who may be called upon by either the buyer or seller, who shall, when so called, inspect all Butter and Cheese. His compensation shall be as follows: two (2) cents per hundred pounds; but no fees shall be less than fifty (50) cents. The party against whom the decision is rendered shall pay the Inspector's fee. Sales shall be deemed as binding unless the goods sold prove, upon inspection, to be inferior to the grade specified in the sale. In event of a dispute upon the grade between the buyer and seller, if either party shall feel aggrieved by the decision of the Inspector, they shall have the right to appeal to three members of the Chamber, one to be chosen by the buyer, and one by the seller, who, failing to agree, shall select a third, and their decision shall be final. If a decision shall be rendered in favor of the seller, the buyer shall be bound to receive the goods at the price stipulated at the time of purchase. When a decision is rendered in favor of the buyer, the seller shall make good the delivery of other goods of equal quality and grade previous to 3 P. M., or pay the penalty, and all expenses shall be borne by the party against whom the decision is given.

RULE 4. Transactions in Butter and Cheese for immediate delivery shall be deemed as consummated upon announcement of the purchase or sale under the Call, or elsewhere between members. The penalty for non-fulfillment of contract on the part of either buyer or seller shall be five per cent. of the contract price of the goods, except in the transactions of future delivery of Butter and Cheese, where the penalty shall be the difference between the contract price and the market price of the goods on the day on which the fulfillment of the contract shall be demanded, which difference shall be settled by the Butter and Cheese Inspection Committee. But nothing in this rule shall be construed to prevent a different settlement by mutual agreement. Settlement for future deliveries shall be made on the basis of sixty (60) pounds for tubs, and one hundred (100) pounds for firkins.

RULE 5. All sales by members on 'Change of Butter and Cheese shall be considered as cash, unless otherwise agreed between buyer and seller.

RULE 6. No reclamation for tare on butter packages shall be allowed unless returned within one week from date of sale.

### CLASSIFICATION OF BUTTER.

CREAMERY.—This grade shall be composed of the highest quality of Elgin, Ohio, Indiana and Western; fresh, sweet, and uniform in color, in regular style new packages.

No. 1 DAIRY.—Butter of this grade shall be of the highest grades of butter made, outside of creameries, and shall be in regular style of packages, fresh, sweet, and uniform in color.

No. 2 DAIRY.—Butter of this grade shall be comprised of sweet butter, but of uneven color and style of package.

No. 3 DAIRY.—Butter of this grade shall consist of all grades between the quality of too poor for No. 2 Dairy and the best grades of Grease Butter.

### CLASSIFICATION OF CHEESE.

FANCY.—Shall be full cream, perfect in flavor, close made, fine texture, well cured, of uniform color and perfect surface. Boxes to be in good order.

CHOICE.—Shall be slightly, or what is understood in this market as part skimmed, clean flavored, good texture, good surface, and boxes in good order.

On all Cheese offered, the seller shall designate in what section of the country they are made; also state quality and grade. Known marks may be offered on their reputation and may not be full cream.

Off flavored, out of condition, hard skinned, and any grade not classified, may be offered, subject to inspection, by the buyer.

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## RULES GOVERNING THE EGG TRADE.

RULE 1. The following rules shall govern the purchase and sale of Eggs by and between members of the Cincinnati Chamber of Commerce, other than specially provided by the Call Board rules.

RULE 2. Parties offering Eggs for sale under the Call shall, when required, name the State where the Eggs were put up or forwarded; or they may be offered by the designating mark, or the mark or name by which they were known in the trade. When Eggs are offered and purchased by their designating mark, or the mark or name by which they are known in the market, there shall be no difference as to quality or condition. The purchaser must accept the Eggs unless it is shown that they have been damaged by some accident, or put up with some evident intent to defraud, or have been held for speculation, or otherwise, out of the regular course of shipments.

RULE 3. Eggs shall be classified as follows: Firsts, Seconds and Thirds. This classification, together with naming the locality in which the Eggs are put up, shall be the form of offering Eggs on Call or elsewhere, when they are not known by marks. When sales are made under the classified Call, the Eggs shall be ready for delivery not later than 3 o'clock, P. M., and this rule shall apply to all deliveries unless otherwise agreed to by both buyer and seller; and such sales shall be deemed as binding unless the Eggs sold prove, upon inspection, previous to delivery, or within twenty-four hours thereafter, to be inferior to the grade specified in the sale. In the event of a difference upon the grade between buyer and seller, the Eggs shall be inspected by the Egg Inspector. It shall be the duty of the Inspector, in his return, to state whether the stock so inspected is Firsts, Seconds or Thirds, and this decision shall be final. If this decision is in favor of the seller, the buyer shall be bound to receive the goods and pay for the inspection. If the decision is in favor of the buyer, the seller shall pay for the inspection and pay the buyer five (5) cents per case penalty, or at that rate, and take back his goods, paying all cartage on the same. Parties desiring inspection must so inform the Inspector on or before 4 o'clock, P. M., on the day of sale. The Inspector must notify both buyer and seller of his decision within twenty-four hours of sale. This rule does not prohibit parties settling without the aid of inspection where both buyer and seller mutually agree to do so. If upon the first delivery to buyer, the goods so delivered do not appear, upon examination, to be of the grade sold, the seller may make a second delivery, or call in the Inspector, in which latter event he shall be barred a second delivery, and the decision of the Inspector shall be final. Both deliveries must be made on the day of purchase, unless otherwise mutually agreed to by both parties. In the event of an extra delivery, the seller shall pay all extra cartage. The same classification shall be used for limed or cold storage Eggs as for fresh, but the explanation of the classification shall be different. The form of the Call for limed or fruit-house Eggs shall be the same as for fresh, except that the word "limed" or "cold storage" shall be inserted between the words "for" and "eggs."

RULE 4. Eggs sold under the Call may be inspected at the option of the buyer or seller, and this inspection shall settle the loss finally. The proportion of packages to be taken out in all cases shall be three out of ten, four out of twenty, five out of thirty, seven out of fifty, and ten out of one hundred. The party who elects to have Eggs inspected shall pay for the same, except as provided under Rule 3.

RULE 5. Contracts made for future delivery, when the same are buyer's option, the buyer shall give the seller notice to deliver before 10 A. M., on the day of demand, and the seller shall deliver the same as spot sales, and if no demand for the goods is made by the buyer previous to the expiration of the contract, the seller shall give notice of his readiness to deliver, which shall be deemed a proper tender. The seller shall have the privilege of two deliveries, as in spot sales; inspection to be made the same as for Eggs sold for spot delivery. Eggs sold at seller's option, the seller shall also have the privilege of two deliveries, as at buyer's option.

RULE 6. All sales of Eggs by members of the Chamber shall be considered as cash, except otherwise agreed between buyer and seller; and the delivery to be regular shall be at the business house of the seller, or at any business house within the city limits, provided that the drayage shall not exceed fifty (50) cents on any one lot of twenty-five (25) cases or less, or two (2) cents per case on round lots of twenty-five (25) cases or over, unless there be a fraction of a load in said lot, which said fraction shall be counted the same as a full load; and if in excess of that amount, the difference shall be paid by the seller. In delivering round lots of twenty-five (25) cases or over, no number less than twenty-five (25) cases shall be delivered at any one time, unless there be a fraction of a load in the lot, in which case it may be delivered the same as if a full load.

RULE 7. All difference of opinion as to the construction of the foregoing rules shall be decided by the Egg Inspection Committee, unless one or more of said Committee be interested, in which case the Superintendent, or some member of the Chamber shall serve in the place.

RULE 8. In the case of the death or absence of the Inspector, or his inability from any cause to act, any member of the Egg Inspection Committee may fill his place and perform his duties.

RULE 9. The fees of the Inspector shall be ten (10) cents per case, on the lot so inspected; no fee to be less than twenty-five (25) cents. Loss on Eggs to be computed upon the basis of thirty (30) dozen to the case.

RULE 10. The daily official quotation for eggs shall be determined by formal action and vote of members of the local merchants doing a commission business in eggs, assembled on 'Change, the Chairman being privileged to vote in each instance, the price so decided upon to be posted on the official bulletin board. In case of a tie vote the Committee on Egg Quotations shall decide. Members when voting will be governed by prices which are obtained on "the street" only. No member shall be entitled to vote who buys eggs in territory contiguous to Cincinnati, based on the Cincinnati quotation, for the purpose of shipping to other markets.

## DESCRIPTION OF THE CLASSIFICATION FOR FRESH EGGS.

FIRSTS.—Firsts shall comprise fine marks of Eggs, fresh and reasonably clean; such stock as gives good satisfaction to consumers.

SECONDS.—Seconds shall comprise all stock that is merchantable, and inferior to Firsts.

THIRDS.—Thirds shall comprise all poor stock, in bad order, rotten, etc.; stock considered not really merchantable.

KNOWN MARKS.—Known Marks shall comprise such sorts as are well known to the trade under some particular designation or mark, and shall be of such quality as those familiar with the mark generally understand it to be in the season in which it is offered. The period at which Eggs are to be sold "at mark" or "loss off" to be regulated by the Egg Inspection Committee, and who must give seven days' notice when such rules shall take effect.

TO PASS.—Firsts, to pass at the marks, must not lose to exceed one (1) dozen to the case of thirty (30) dozen. Seconds, to pass at the marks, must not lose to exceed one and a half (1½) dozen to the case of thirty (30) dozen. But should Eggs inspect as Firsts or Seconds in quality, and the loss exceed the amount provided to pass at the marks, the seller shall lose such excess in loss.

## DESCRIPTION FOR THE CLASSIFICATION OF LIMED AND COLD STORAGE EGGS.

EXTRAS.—Shall comprise the very finest marks of Limed or Cold Storage Eggs; bright, clean Eggs, put up in the finest manner, where every condition necessary to produce Fancy Limed or Cold Storage Eggs has been complied with.

FIRSTS.—Firsts shall comprise fine marks of Limed or Cold Storage Eggs, such as come in carload, or smaller lots, and are packed in fine order and reasonably clean; such stock as gives good satisfaction to most consumers.

SECONDS.—Seconds shall comprise all stock that is merchantable and inferior to Firsts.

THIRDS.—Thirds shall comprise all poor stock, in bad order, rotten, etc.; stock not considered really merchantable.

To PASS.—To pass at the marks, the same rules shall govern as for fresh.

## RULES GOVERNING THE FRUIT AND VEGETABLE TRADE.

### APPLES.

RULE 1. Sales of Apples on Call shall represent not less than one hundred (100) barrels if from store, and straight lots on arrival at railroad or river in lots of not less than twenty-five (25) barrels in each shipment.

RULE 2. The different grades of Apples shall be known as Prime, Seconds and Rejected, which shall conform to the following description:

Prime shall be sound, of good size, well sorted, well packed, unmixed and fairly uniform throughout the package.

Seconds will represent small, sound, well packed fruit.

Rejected will embrace decayed, frosted or wormy fruit.

RULE 3. A barrel of Apples shall contain not less than two and three-quarters (2¾) bushels.

### PEACHES.

RULE 1. Sales of Peaches on Call shall be in lots of twenty-five (25) boxes or twenty-five (25) packages, or more.

RULE 2. The grades of Peaches shall be designated as No. 1, No. 2, No. 3, and Rejected, and shall conform to the following description:

No. 1 shall be sound, large, smooth, uniform in size and quality throughout the package.

No. 2 shall be of medium size, sound and reasonably uniform throughout the package.

No. 3 will consist of sound and mixed fruit.

Rejected will represent all grades below No. 3.

### POTATOES.

RULE 1. Potatoes sold on Call shall represent only car lots, or straight lots on arrival at railroad or river amounting to twenty-five (25) barrels or sacks or more, in each shipment, and one hundred (100) barrels or sacks from store.

RULE 2. The grade of Potatoes shall be designated as Choice, Prime, Common and Rejected, and shall conform to the following description:

Choice shall be large, or fairly large, sound, smooth, unmixed, well sorted, and free from faulty and small potatoes.

Prime shall be sound, of fair size, well sorted and unmixed.

Common will embrace sound, mixed or small rough potatoes.

Rejected will embrace unsound and frosted stock.

RULE 3. A barrel of Potatoes shall contain not less than two and three-quarters (2¾) bushels.

### INSPECTION.

RULE 1. The Inspector shall, when called upon to act by any member of the Chamber, inspect any fruits or vegetables, and report the quality or grade, according to the rules.

RULE 2. Fees shall be regulated by the Board of Directors, and shall be paid by the party against whom the decision is rendered. An appeal from the decision of the Inspector can be made to the Inspection Committee.

RULE 3. The inspection fee shall be as follows: Potatoes, two (2) cents per barrel; on Apples, two (2) cents per barrel. No inspection less than fifty cents. Car lots in bulk, $1.50 per car.

# TARIFF OF CHARGES

FOR

# STORAGE, COMMISSIONS, TARES, ETC.

ADOPTED BY THE BOARD OF DIRECTORS OF THE CINCINNATI CHAMBER OF COMMERCE SEPTEMBER 10, 1888.

## RATES OF STORAGE.

| | 1st Month. | 2d Month |
|---|---|---|
| **Apples**, Green, per bbl | 5c | 4c |
| " Dried, per bbl | 5 | 4 |
| " Dried, per sack | 3 | 2½ |
| " Evaporated, per case | 2 | 1½ |
| " 1 gal., per case | 2½ | 2 |
| " ½ gal., per case | 2¼ | 1¾ |
| **Ashes**, Pots and Pearls, per tierce | 8 | 6 |
| **Bagging**, per piece | 5 | 4 |
| " per 100 | 5 | 4 |
| " per 50 | 2½ | 2 |
| " per 35 | 2 | 1¾ |
| " per 30 | 2 | 1½ |
| Bags, Gunny, per bale | 15 | 15 |
| " Jute, per bale | 10 | 8 |
| Seamless, per bale | 5 | 4 |
| Barytes, per bbl | 15 | 10 |
| Batting, 100 lbs., per bale | 6 | 5 |
| " 50 lbs., per bale | 4 | 3 |
| " 25 lbs., per bale | 3 | 2½ |
| Beans (large), per sack | 5 | 4 |
| " (small), per sack | 3 | 2 |
| " per bbl | 6 | 5 |
| Beef, per bbl | 10 | 8 |
| " per tierce | 12 | 10 |
| Bitters, 1 doz., per case | 3 | 1½ |
| Boots and Shoes, per 100 lbs | 10 | 10 |
| Borax, per bbl | 8 | 6 |
| Bottles, per cask | 50 | 40 |
| " per tierce | 40 | 35 |
| " per bbl | 10 | 8 |
| Broom Corn, per bale | 15 | 10 |
| Brooms, per doz | 5 | 4 |
| Buckets, per doz | 5 | 5 |
| Butter, per bbl | 15 | 15 |
| " in firkins or tubs, per 100 lbs., per season | 40 | |
| Candles, per box | 2 | 1½ |

| | 1st Month. | 2d Month |
|---|---|---|
| Canned Goods, 1 gal., per case | 3c | 2½ |
| " " ½ gal., per case | 2 | 1½ |
| " " 3 lbs. (2 doz.), per case | 2 | 1½ |
| " " 2 lbs. (2 doz.), per case | 2 | 1½ |
| " " 1 lb. (2 doz.), per case | 2 | 1½ |
| Cement, per bbl | 10 | 8 |
| Cheese, per box | 3 | 2 |
| Cider, per bbl | 10 | 8 |
| Coal Oil, per bbl | 12 | 10 |
| Coffee, per bag | 5 | 4 |
| " 100 lbs., per case | 5 | 4 |
| " 60 lbs., per case | 4 | 3 |
| Cotton Ties | 2 | 1½ |
| Cotton Yarn, per bag | 5 | 5 |
| Cranberries, per bbl | 10 | 8 |
| Crockery, per crate | 30 | 25 |
| Currants, per cask | 25 | 20 |
| " per bbl | 10 | 8 |
| Dried Fruit, per bbl | 5 | 4 |
| " " per sack | 3 | 2½ |
| Dry Goods, per case | 15 | 15 |
| " " per bale | 10 | 10 |
| Earthenware, per cask or crate | 50 | 50 |
| Eggs, case, per season | 35 | |
| Fish, per bbl | 4 | 3 |
| " per ½ bbl | 3 | 2 |
| Flour, per bbl | 5 | 4 |
| " in sacks, reduced to barrels, same rate as barrels. | | |
| Glass, Window, 400 bxs. in car, per box | 2 | 2 |
| " Window, 200 bxs. in car, per box | 3 | 3 |
| " Window, 100 bxs. and less in car, per box | 5 | 4 |
| " Window, very large, imported, per box | 40 | 35 |

| | 1st Month. | 2d Month |
|---|---|---|
| Glassware, per cask | 50c | 50c |
| " per crate | 50 | 50 |
| " per tierce | 15 | 10 |
| " per bbl | 5 | 4 |
| " per case | 8 | 4 |
| Glucose, per bbl | 15 | 12 |
| Grain, in elevator, regular elevator charges. | | |
| " in sacks, per sack | 3 | 3 |
| Hams, per tierce | 10 | 8 |
| Hay, per ton | $1 00 | 75 |
| " hard pressed, per bale | 15 | 10 |
| " loose pressed, per bale | 15 | 12 |
| Hemp, per bale (large) | 25 | 25 |
| " per bale (small) | 15 | 15 |
| Hides, dry, car-load lots, each | 2 | 1½ |
| " wet, car-load lots, each | 3 | 2 |
| " car load-lots, per bale | 50 | 40 |
| Highwines, per bbl | 10 | 10 |
| Hops, Domestic, per bale | 20 | 15 |
| " German, per bale | 25 | 20 |
| Horseshoes, per keg | 5 | 5 |
| Household Goods, furniture car | $3 50 | $3 50 |
| Iron and Steel, per 100 lbs | 2 | 1½ |
| Iron, Pig or Blooms, per ton | 5 | 5 |
| Kraut, per cask | 25 | 20 |
| " per bbl | 15 | 10 |
| " per ½ bbl | 12 | 10 |
| Lead, per 100 lbs | 2 | 1½ |
| Lead, White or Red, per 100 lbs | 4 | 3 |
| Leather, per roll | 10 | 10 |
| Lemons, per box | 10 | 8 |
| Lime, per bbl | 6 | 6 |
| Liquors, Foreign and Domestic, per ½ pipe | 20 | 20 |
| " Foreign and Domestic, per ¼ pipe | 10 | 10 |
| " Foreign and Domestic, per bbl | 10 | 10 |
| Macaroni, per box | 3 | 2 |
| Merchandise of all kinds, not specified, per 100 lbs | 15 | 15 |
| Mill Feed—Bran, Middlings, etc., per sack | 4 | 3 |
| Molasses, per bbl | 10 | 8 |
| Moss, per bale | 20 | 15 |
| Nails, per keg | 3 | 2 |
| Nuts, per bbl | 6 | 4 |
| " per sack | 4 | 3 |
| Oakum, per bale | 3 | 3 |
| Oil, per bbl | 10 | 8 |
| " Petroleum, per bbl | 25 | 25 |
| Onions, per bbl | 5 | 4 |
| " per sack | 5 | 4 |
| Oranges, per box | 10 | 8 |
| " per bbl | 10 | 8 |
| Paint, per bbl | 12 | 10 |
| Paper, per bundle | 1c | 1c |
| " News, rolls, per car | $10 00 | $9 00 |
| Peaches, Dried, per bbl | 5 | 4 |
| " " per sack | 4 | 3 |
| Peanuts, per bag | 5 | 4 |
| Peas, per bbl | 5 | 4 |
| " per sack | 5 | 4 |
| Pecans, per bbl | 5 | 4 |
| " per sack | 4 | 3 |
| Pepper, per package | 4 | 3 |
| Pickles, per bbl | 10 | 9 |
| " per ½ bbl | 8 | 6 |
| " gallon cases | 3 | 3 |
| " ½ gallon cases | 2 | 2 |
| " ¼ gallon cases | 2 | 2 |
| " pints | 2 | 2 |
| Pimento, per package | 4 | 3 |
| Pitch, per bbl | 6 | 5 |
| Plaster, per bbl | 10 | 8 |
| Portland Cement | 10 | 8 |
| Potash, per box | 1 | 1 |
| Potatoes, per bbl | 5 | 4 |
| " per sack | 4 | 3 |
| Prunes, per cask | 40 | 35 |
| " per sack | 5 | 4 |
| Queensware, per cask | 50 | 50 |
| " per crate | 50 | 50 |
| Rags, per bale | 50 | 50 |
| Railroad Spikes, per keg | 6 | 4 |
| Raisins, per box | 2 | 2 |
| Rice, per bbl | 8 | 6 |
| " per sack | 8 | 6 |
| Rope, per coil (small) | 3 | 2 |
| Rosin, per bbl | 6 | 5 |
| Salt, per bbl | 5 | 4 |
| " Turk's Island, per bag | 3 | 3 |
| " Liverpool, per bag | 5 | 4 |
| Saltpeter, per bag | 4 | 3 |
| Seed, Clover, per bag | 3 | 3 |
| " Timothy, per bag | 3 | 3 |
| " Flax, per bag | 2 | 2 |
| " Red Top, per bag | 4 | 4 |
| " Millet, per bag | 4 | 3 |
| " Hungarian, per bag | 4 | 3 |
| Shot, per keg | 6 | 5 |
| Soap, per box | 2 | 2 |
| " per case | 2 | 2 |
| Soda Ash, per cask (large) | 50 | 40 |
| " " per cask (small) | 40 | 30 |
| " " per tierce | 30 | 25 |
| Soda, Caustic, per drum | 12 | 10 |
| " Sal, per tierce | 8 | 8 |
| Starch, per box | 2 | 2 |
| " per bbl | 5 | 4 |
| " per crate | 5 | 4 |
| " per case | 2 | 2 |
| Stoves, large, each | 35 | 30 |

| | 1st Month. | 2d Month |
|---|---|---|
| Sugar, per bbl | 6c | 5c |
| " per hhd | 30 | 25 |
| Tallow, per bbl | 12 | 10 |
| Tar, per bbl | 10 | 8 |
| Tea, per chest | 8 | 8 |
| " per ½ chest | 5 | 5 |
| " per caddy | 2 | 2 |
| Tin, 20x28, per box | 3 | 3 |
| " 14x20, per box | 2 | 2 |
| " 14x14, per box | 2 | 2 |
| Tobacco, Leaf, per hhd | 50 | 40 |
| Tubs, per nest | 5 | 4 |
| " per doz | 15 | 13 |
| Turpentine, per bbl | 15 | 12 |
| " 10 gallons, per case | 4 | 3 |
| " 5 gallons, per case | 3 | 3 |
| Vinegar, per bbl | 10 | 8 |
| Whisky, per bbl | 10 | 10 |
| Whiting, per bbl | 10c | 8c |
| Wine, per cask | 20 | 20 |
| " per ¼ cask | 10 | 10 |
| " per case | 3 | 3 |
| Wool, per sack | 12 | 10 |
| Yarn, Wool and Cotton | 12 | 10 |

EMPTY COOPERAGE.

| | | |
|---|---|---|
| Flour Barrels, each | 2 | 2 |
| Ham Tierces, each | 3 | 3 |
| Hogsheads, each | 10 | 10 |
| Lard Kegs, each | 1 | 1 |
| Lard Tierces, each | 3 | 3 |
| Molasses Barrels, each | 3 | 3 |
| Oil Barrels, each | 3 | 3 |
| Pork Barrels, each | 3 | 3 |
| Whisky Barrels, each | 3 | 3 |

## COMMISSIONS.

| | |
|---|---|
| On sales of Flour, per bbl | 10 cents. |
| On purchase of same, cash in hand, per bbl | 5 " |
| On sales of Pork, Beef, Lard, Bacon, Tallow, Oils, Sugar, Molasses, Coffee and Cotton | 2½ per cent. |
| Purchasing of the same, cash in hand | 2½ " " |
| On sales of Hay, per ton | 50 cents. |
| On sales of Domestic Liquors, of all kinds, excepting Whisky and Highwines | 5 per cent. |
| On sales of Bourbon or Rye Whisky, in bond, per bbl* | 50 cents. |
| On sales of Bourbon or Rye Whisky, tax paid, per bbl* | $1.00 |
| On sales of Highwines, on account of distillers, per bbl | 25 cents. |
| On sales of Live or Dressed Hogs | 2½ per cent. |
| On sales of Rye, Wheat and Corn, per bushel | 1 cent. |
| On sales of Barley, per bushel | 2 cents. |
| On sales of Oats, per bushel | ½ cent. |
| For use of sacks when furnished by consignee, for each ten days out, per bushel | 1½ cents. |
| On Seed, Clover | 1½ per cent |
| On Seed, Timothy | 2 " " |
| On Seed, Flax | 1½ " " |
| On Seed, Blue Grass | 5 " " |
| On Seed, Herd Grass and Red Top | 5 " " |
| On Seed, Hungarian and Millet | 2½ " " |
| On Green Apples, per bbl | 15 cents. |
| On Potatoes, per bbl | 15 " |
| On Potatoes, in bulk | 5 per cent |
| On purchase of same, cash in hand | 2½ " " |
| On sales of Butter and Cheese | 5 " " |
| On sales of Pig Iron or Blooms | 2½ " " |
| On sales of Cooperage | 5 " " |
| On sales of all other articles of Produce and Merchandise | 5 " " |
| For guaranteeing Time Sales | 2½ " " |
| For drawing and negotiating bills with indorsement | 2½ " " |
| For adjusting insurance on losses, on amount received | 2½ " " |
| For collecting moneys by legal process | 2½ to 5 " " |
| For receiving and remitting money, including purchase of exchange | ½ " |

## CHARGES FOR CURING, PACKING, ETC., THE HOG PRODUCT.

PORK BUSINESS.

| | |
|---|---|
| Curing Meats in bulk (dry salt), per 1,000 lbs | $3 00 |
| Packing Pork, per bbl | 2 00 |
| Packing or trimming Pork or Beef in barrels, exclusive ot barrels, salt and pickle, per bbl | 45 |
| Packing or trimming Pork or Beef in barrels, exclusive of barrels, salt and pickle, in ½ bbls | 35 |
| Packing Bulk Meat in hogsheads, exclusive of salt and hogsheads, per hhd | 35c |
| Packing Bacon in hogsheads, exclusive of hogsheads, per hhd | 35 |
| Packing canvased Hams in tierces, exclusive of tierces and paper, per tierce | 30 |
| Packing Bacon in boxes, exclusive of boxes, per box | 25 |
| Packing English Meats in boxes, exclusive of boxes and salt, per box | 50 |

*Adopted May 7, 1895.

| | |
|---|---|
| Packing Hams in slack barrels, exclusive of barrels, per bbl. | $0 20 |
| Clearing Clear Rib Sides, per 1,000 lbs. | 50 |
| Receiving and bulking Cured Meats, per 1,000 lbs. | 1 25 |
| Overhauling and rebulking Cured Meats, per 1,000 lbs. | 1 00 |
| Smoking Dry Salted Meats, per 1,000 lbs. | 1 50 |
| Smoking Sweet Pickled Meats, per 1,000 lbs. | 2 50 |
| Curing Meats in sweet pickle, per 100 lbs. | 1 00 |
| Canvasing Sugar Cured Meats, exclusive of materials, per piece | 2½ |
| Weighing Bulk Meats or Bacon, per 1,000 lbs. | 12½ |
| Nailing, boring, weighing and marking tierces of same, per tierce | 5 |
| Nailing, boring, weighing and marking of same, per bbl. | 4 |

CHARGES FOR STORAGE OF THE HOG PRODUCT.

On Pork, where received, per bbl., first month, 8c.; each additional month, 5c.

On Lard, where received, per tierce, first month, 10c.; each additional month, 8c.

On Bulk Meats, where received, per 1,000 lbs., first month, 40c.; each additional month, 20c.

Storage to commence March 1st on all articles made from hogs received and packed the regular way.

Where pieces are taken in to be cured, storage shall commence with the date of receipt of such pieces.

Bacon, per hogshead, 25c. per month.

Bacon, per ½ hogshead and box, 15c. per month.

Hams, canvased, each, 1c.

Insurance shall commence at the time the stuff is received, and rates charged shall be governed by the customary rules of insurance companies for short or long policies.

Commissions on sales, 2½ per cent.

COLD STORAGE CHARGES.

Pickled Meats, in tierces, 35c. per tierce for first month, and 25c. per tierce, per month, thereafter.

Dry Salt Meats, receiving, bulking, and one month storage, $2 50 per 1,000 lbs.; each additional month, $1 00 per 1,000; rebulking, $1 25 per 1,000 lbs.

NOTE.—All goods, wares, or merchandise, left or consigned for sale, with or to Commission Merchants, and upon which cash advances have been made, are liable to be sold at any time, should it be necessary, in order to protect the advances made.

## RATES OF CHARGES ON COTTON.

1st. The charge for insurance, drayage, labor and sampling, weighing, storage and commission on Cotton to be, in all, $1 00 per bale, with additional charge for insurance of ⅛ per cent. per month, and storage of 15c. per bale, after first month, for each additional month.

2d. Regular rates of insurance, in transit, established by Board of Underwriters, to be charged.

3d. Interest at the rate of 6 per cent. per annum shall be charged on all advances of every character.

NOTE.—All shipments are covered by open policies of insurance, unless owners instruct otherwise at or before shipment; and in all cases where advances have been made, or shipments drawn against, the property is covered to the amount of such advances or drafts, without reference to instructions.

## CHARGES FOR RECEIVING AND FORWARDING.

| | |
|---|---|
| Whisky, Pork, Lard, Fish and Tallow, per bbl. | 5c |
| Cotton, per bale | 6 |
| Flour, per bbl | 3 |
| Kegs of Lard and Butter, per keg | 2 |
| Hogsheads of Bacon and Tallow, per hhd. | 10 |
| Pork and Bacon, in bulk, per 1,000 lbs | 10 |
| Hats, Bonnets, Shoes and Feathers, per pkg. | 5 |
| Salt, per bbl. | 3 |
| " per sack | 2 |
| Leaf Tobacco, per hhd. or box | 20 |
| Sugar, per hhd | 15c |
| Molasses, per bbl | 6 |
| Beans, Dried Apples and Peaches, per pkg. | 5 |
| Pig Iron, per ton | 20 |
| All other articles of Produce or Merchandise, per 100 lbs., including transfer | 10 |
| For advancing charges and freight | 2 per cent. |

NOTE.—All actual charges incurred, including drayage, insurance, cooperage or storage, are to be added to the above rates.

## TARES.

| | |
|---|---|
| Sugar, in hogsheads | 12 per cent. |
| Indigo, in ceroons | 11 " " |
| Salt, per bbl. (280 lbs.) | 20 pounds. |
| " per bbl. (7 bush.) | 25 " |
| Cotton, Feathers, Salt in bags, and Spices | No tare. |
| All other articles in hogsheads, casks, tierces, barrels, kegs or boxes, not enumerated | Actual tare |

# WEIGHTS.

Standard weights, in the absence of contracts, of various commodities, adopted by the Board of Directors of the Cincinnati Chamber of Commerce and Merchants' Exchange, April 3, 1888:

| | BUSHEL. |
|---|---|
| Apples, Dried | 25 lbs. |
| Barley | 48 " |
| Barley Malt, including weight of sacks. | 34 " |
| Beans | 60 " |
| Buckwheat | 50 " |
| Chestnuts, as to dryness | 50@56 " |
| Corn in ear, 70 lbs., until changed by Board of Directors to | 68 " |
| Corn, Shelled | 56 " |
| Corn Meal | 50 " |
| Hair, Plastering | 8 " |
| Hominy | 60 " |
| Lime | 70 " |
| Oats | 32 " |
| Onions | 56 " |
| Onion Sets, Top | 28 " |
| " " Bottom, Struck Measure. | |
| Peas, Dried | 60 " |
| Peanuts | 22 " |
| Potatoes | 60 " |
| " Sweet | 50 " |
| Rye | 56 " |
| Salt | *50 " |
| Seed, Blue Grass, Kentucky | 14 " |
| " Blue Grass, English | 24 " |
| " Broom Corn | 46 " |
| " Castor Beans | 46 " |

| | BUSHEL. |
|---|---|
| Seed, Clover | 60 lbs. |
| " Flax | 56 " |
| " Hemp, Imported | 40 " |
| " Hemp, Domestic | 44 " |
| " Hungarian | 48 " |
| " Lawn Grass | 16 " |
| " Millet, Common | 50 " |
| " Millet, German | 50 " |
| " Orchard Grass | 14 " |
| " Osage Orange | 33 " |
| " Sorghum | 50 " |
| " Red Top | 14 " |
| " Timothy | 45 " |
| " Turnip | 50 " |
| " Rape | 50 " |
| Wheat | 60 " |
| | TON. |
| Broom Corn | 2,000 lbs. |
| Bran, Shipstuff and Middlings | 2,000 " |
| Coal | 2,000 " |
| Coke | 2,000 " |
| Hemp | 2,240 " |
| Iron, Pig, chill mould | 2,240 " |
| " Pig, sand mould | 2 268 " |
| " Pig, blooms | 2,464 " |
| " Ore | 2,240 " |
| " Scrap | 2,000 " |

* This, as adopted on April 3, 1888, was 56 pounds, but was changed to 50 pounds April 17, 1888.

# MEMBERS

OF THE

# CINCINNATI CHAMBER OF COMMERCE

AND

# MERCHANTS' EXCHANGE

MAY 1, 1906.

# MEMBERS

OF THE

# CINCINNATI CHAMBER OF COMMERCE AND MERCHANTS' EXCHANGE.

## MAY 1, 1906.

NOTE.—The first column indicates the number of the Certificate of Membership; where a blank exists therein, the membership has no certificate. Where an official title in italics is annexed to a name, in the column under the head of "Name," such title, with the title of the corporation following, may not express the present official relations of the member, inasmuch as this shows only the manner in which the name appears in the Certificate of Membership, which is not changed till transferred on the books of the Chamber of Commerce under the rules of the same, though the official relations of the member to the corporation may have previously changed or actually terminated.

| No. | NAME. | FIRM. | BUSINESS. | LOCATION. |
|---|---|---|---|---|
| 1368 | Adam, Henry | | Brewer | Camp Washington, City. |
| 4417 | Adams, Charles F | C. C. C. & St. L. Ry. Co | Contracting Agent | 37 Ingalls Building. |
| 2777 | Ahlers, George F | Hoffman-Ahlers Co | Cincinnati Copper Works (Pres't) | 830 E. Pearl st. |
| 3942 | Ahrens, John H | C. Schmidt & Co | Butchers' Supplies | S. E. c. John and Livingston sts. |
| 3825 | Alexander, W. W | Louisville & Nashville R. R | Local Freight Agent | Front and Butler sts. |
| 2182 | Allen, John H | Allen & Munson | Flour, Grain and Commission | 910 First National Bank Bldg. |
| 4620 | Allen, Stuart A | Cincinnati, Hamilton & Dayton Ry | Southern Agent | S. E. Cor. Fifth and Walnut sts. |
| 390 | Allen, Thomas W | The John H. Hibben Dry Goods Co. | President | N. E. c. Seventh and Walnut sts. |
| 3281 | Alms, William H | The Alms & Doepke Co | Dry Goods | Main and Canal sts. |
| 4226 | Alter, Franklin | Alter, McCaffrey Co | Shoe Manfrs. (President) | 416 E. Eighth st. |
| 4190 | Andreae, Percy | The Jung Brewing Co | President | 2011 Freeman ave. |
| 1475 | Andrew, Charles | J. Walker Brewing Co | Secretary and Treasurer | 1125 Sycamore st. |
| 1474 | Andrew, Frank | P. Andrew & Co | Grain Commission, Maltsters | 901 & 903 E. Front st. |
| 4434 | Angert, W. L | The Union Distilling Co | | 1010 Richmond st. |
| 4217 | Applegate, Lewis L | Phœnix Grain and Stock Exchange | Broker | 24-26 E. Fourth st. |
| 3725 | Archiable, Robert J. H | Cincinnati Chamber of Commerce | Doorkeeper | Chamber of Commerce Bldg. |
| 4345 | Archibald, John A | Cincinnati Fire Department | Fire Marshal | Sixth st., near Vine. |
| 3743 | *Armstrong, A. E. (Honorary) | | | |
| 1670 | Arnold, Brent, *General Agent* | Louisville & Nashville R. R. Co | Division Freight Agent | 501 Chamber of Commerce Bldg. |
| 4506 | Arnold, E. C | Louisville & Nashville R. R. Co | Contracting Agent | S. E. cor. Fifth and Vine sts. |
| 2286 | Arnold, J. M | Cin. New Orleans & Tex. Pacific Ry | Local Freight Agent | Front and Mill sts. |
| 3718 | Atkins, Charles H. M | Warner Elevator Mfg. Co | President | 2613-2631 Spring Grove ave. |
| 4638 | Aulick, A. B | | Grain and Tobacco | Falmouth, Ky. |
| 4559 | Bailey, Charles S | Cincinnati Transfer Co | | 57-58 Mitchell Building. |
| 1343 | Bailey, Samuel, Jr | Cincinnati Transfer Co | President | 57-58 Mitchell Building. |
| 181 | Baird, Albert B | James A. Baird & Co | Wholesale Fruits | 126 E. Front st. |
| 4401 | Balke, R. F | The Live Oak Distilling Co | Distillers | N. E. cor. Ninth & Broadway. |

| | | | | |
|---|---|---|---|---|
| 2853 | Ballmann, F. H. | Irwin, Ballmann & Co. | Note, Stock and Bond Brokers | 330 Walnut st. |
| 4306 | Barnard, Charles A. | Cincinnati, Hamilton & Dayton Ry. | Local Freight Agent | Sixth and Baymiller sts. |
| 4363 | Barrett, Charles F. | Adams Express Co. | Agent | 416 Main st. |
| 4266 | Barrett, George Johnston | John Barrett & Son | River Transportation | 513 Chamber of Commerce Bldg. |
| 2326 | Barrett, Oscar F. | John Barrett & Son | River Transportation | 513 Chamber of Commerce Bldg. |
| 4493 | Barron, Edward | The Barron–Boyle Co. | Paints and Glass | 230 E. Fifth st. |
| 2636 | Bauer, Jacob M | The Bauer Cooperage Co. | | Lawrenceburg, Ind. |
| 4234 | Bauer, Jacob P. | W. H. Brown's Sons | Coal (Manager) | Front and Lawrence sts. |
| 2004 | Bauer, John G. | The Bauer Cooperage Co. | | Lawrenceburg, Ind. |
| 2056 | Bauer, Morris | | Contractor | 425 Bauer ave. |
| 4649 | Beebe, James C. | Guyan Valley Fuel Co. | Coal | Huntington, W. Va. |
| 1425 | *Beggs, John | | | Terre Haute, Ind. |
| 2190 | Behrens, Henry | | Carpenter and Builder | 15 E. Baker st. |
| 3834 | Bender, Andrew | A. Bender & Co. | Hay and Grain | 506 Chamber of Commerce Bldg. |
| 4548 | Benedict, Paul C. | Cincinnati, Hamilton & Dayton Ry. | Passenger Agent | S. E. cor. Fifth and Walnut sts. |
| 3327 | Beneker, Henry W. | with Fourth National Bank | | N. E. cor. Third and Walnut sts. |
| 3316 | Bennett, W. A. | Bennett & Witte | Lumber | 222 W. Fourth st. |
| 3870 | Benninghofen, August | | Coal, Lime and Cement | Hamilton, O. |
| 4494 | Benus, Adam | Eureka Fire and Marine Ins. Co. | Secretary | 121 E. Third st. |
| 3704 | Berding, Henry N. | Nordmeyer & Berding | Flour, Grain and Mill Feed | 708 Washington st., Covington. |
| 4373 | Bergewisch, Fred. | Bergewisch & Becky | Produce Commission | 1009 Race st. |
| 3782 | Bernstein, Samuel | with Strobridge Lithographing Co. | Solicitor | 108–118 W. Canal st. |
| 2839 | Bettinger, Albert | | Attorney at Law | 41 Atlas Bank Building. |
| 3959 | Bettman, Morris L. | Rheinstrom, Bettman, Johnson & Co. | Liquors | 906 910 Sycamore st. |
| 4269 | Biggs, N. H. | Cincinnati Union Stockyards | President | Spring Grove ave. |
| 3171 | Biles, George P. | Cin. New Orleans & Tex. Pacific Ry. | General Freight Agent | Ingalls Building. |
| 3365 | Biles, William C | W. C. Biles & Co. | Commission, Whisky | 313 Vine st. |
| 2018 | Bishop, Daniel L. | | | 2345 Kemper Lane. |
| 4456 | Blair, J. Milton | J. M. Blair Brick Co. | Manager | 51 Builders' Exchange. |
| 3506 | Blair, John M. | | | 2335 Park ave. |
| 2336 | Blair, William W. | W. W. Blair & Co. | Brokerage and Commission | 119 E. Second st. |
| 4118 | Blakemore, Louis H. | The Pounsford Stationery Co. | Blank Books, Stationery and Printing | 131-135 E. Fourth st. |
| 3134 | Blase, Henry F. | | Merchant Tailor and Clothier | 534 Madison ave., Covington, Ky. |
| 4635 | Blauvelt, George F. | Morris & Co. (Chicago) | Local Manager | Room D, Chamber of Com. Bldg. |
| 4495 | Bliss, Robert C. | Western Union Telegraph Co. | Manager | N. E. cor. Fourth and Vine sts. |
| 2092 | Bloch, Abe | Abe Bloch & Co. | Clothiers | 810 & 812 Main st. |
| 4427 | Bloch, Sol. | Union Central Life Insurance Co. | Agent | S. W. cor. Fourth and Race sts. |
| 878 | Block, Joseph E. | Elias Block & Sons | Wholesale Liquors | 511 Union Trust Building. |
| 3463 | Block, Leon | Leon Block | Wholesale Liquors | S. W. cor. Third and Walnut sts. |
| 875 | Block, Louis T. | Elias Block & Sons | Wholesale Liquors | 511 Union Trust Building. |
| 4416 | Block, M. H. | Great China Tea Co. (Block Bros.) | Grocers | 11 Vine st. |
| 876 | Block, Samuel | Elias Block & Sons | Wholesale Liquors | 511 Union Trust Building. |
| 4006 | Blome, Fred. H. | Blome & Dreifus | Produce Commission | 1010 Race st. |
| 3911 | Blong, Thomas | | Live Stock Dealer | Eggleston Avenue Stockyards. |
| 2709 | Bloom, Abraham | Glas, Bloom & Co. | Fruit, Produce Commission | 115 & 117 E. Front st. |
| 4302 | Blumenthal, Max | | Commission, Grain | 7 Mitchell Building. |

*Deceased

MEMBERS OF THE CINCINNATI CHAMBER OF COMMERCE AND MERCHANTS' EXCHANGE.—CONTINUED.

| No. | NAME. | FIRM. | BUSINESS. | LOCATION. |
|---|---|---|---|---|
| 713 | Bohrer, George H. | German National Bank | President | N. W. cor. Fourth and Vine sts. |
| 4637 | Bolger, Thomas J | The Marmet Coal Co | Manager Retail Sales | Traction Building. |
| 4479 | Borgmann, Harry J | Harry J. Borgmann & Co | Hay and Grain | 1211 W. Sixth st. |
| 2630 | *Born, Samuel | | | |
| 73 | Boss, Christian, *President* | Gambrinus Stock Co | Brewing | Sycamore and Abigail sts. |
| 74 | Boss, C. W., *Secretary* | Gambrinus Stock Co | Brewing | Sycamore and Abigail sts. |
| 3945 | Boswell, William | Security Mutual Life Insurance Co. | Agency Director | 507–509 Chamber of Com. Bldg. |
| 4326 | Bowman, Robert B | Star Union Line | Fast Freight Line (Agent) | 42 E. Fourth st. |
| 3291 | Boyd, James N | James N. Boyd & Co | Tobacco | Richmond, Va. |
| 63 | Bradbury, George S | Cincinnati Chamber of Commerce | Chief Clerk | Chamber of Commerce Bldg. |
| 1269 | Bramble, A. L | | Commission, Live Stock | Stockton, Butler Co., O. |
| 3952 | Brashears, John | Consolidated Coal and Mining Co | Secretary | 8 Mitchell Building. |
| 3487 | Brauer, Frederick A | | Flour and Lard | 848 W. Sixth st. |
| 4333 | Braun, Andrew M | Braun & Kipp | Hay and Grain | Sixth and Evans sts. |
| 3640 | Brecount, George S | Chicago, Indianapolis & Louisv. Ry. | Commercial Agent | S. E. cor. Fifth and Walnut sts. |
| 3610 | Breed, William J | The Crane & Breed Mfg. Co | President | 1213–1259 W. Eighth st. |
| 4478 | Breese, John E | Breese Bros. Co | Wholesale Roofing Materials | 405 Central ave. |
| 4474 | Brent, William Y | Cumberland Gap Dispatch | Soliciting Agent | S. E. cor. Fifth and Vine sts. |
| 3985 | Brinkmann, Edward H | Union Distilling Co | Vice-President | Carthage, O. |
| 4413 | Brister, Charles J | C. C. C. & St. L. Ry. Co | Asst. Gen'l Freight Agent | Big Four Office Building. |
| 4182 | Bromwell, J. H | Bromwell & Bruce | Attorneys at Law | 16 Masonic Temple. |
| 2058 | Brooks, Levi H | The Coney Island Co | President | 1008 First National Bank Bldg. |
| 3937 | Brossenne, William G | | Flour, Grain, Hay and Feed | 1320 Madison av., Covington, Ky. |
| 3339 | Brown, Henry W. | Henry W. Brown & Co | Flour and Grain | 842 W. Sixth st. |
| .... | Brown, H. Wilson (Honorary) | | | 42 E. Fourth st. |
| 2194 | Brown, L. F | L. F. Brown & Co | Live Stock Brokers | 2740 Spring Grove ave. |
| 4625 | Brown, Louis M | Goodloe & Kennedy | Public Accountants and Auditors | 403–404 Traction Building |
| 837 | Brown, Paris C. (Honorary) | Consolidated Boat Store Co | Manager | 222 & 224 Public Landing. |
| 4281 | Brown, William L | Brown & Patterson | Hay, Grain and Feed | 1521–1527 Eastern ave. |
| 3784 | Brown, W. W | Merchants National Bank | Cashier | Ingalls Bldg., Fourth & Vine sts. |
| 4139 | Broxterman, John G | The Foss-Schneider Brewing Co | President | 943–951 Freeman ave. |
| 1926 | Bruckmann, William M | Bruckmann Brewing Co | Brewers | Cumminsville, City. |
| 2675 | Bruehl, W. A. R | W. A. R. Bruehl & Co | Gen'l Mgr. HomeLife Ins. Co. of N.Y. | 222 W. Fourth st. |
| 2767 | Buckner, W. T | | Real Estate and Loans | 221 E. Fourth st. |
| 4621 | Budd, Albert R | A. R. Budd Coal Co | Coal | Conestoga Bldg., Pittsburg, Pa. |
| 979 | Budd, Peter R | A. R. Budd Coal Co | Coal | Conestoga Bldg., Pittsburg, Pa. |
| 4255 | Buhrman, Edward R | Cincinnati Bung-Bush Co | Brewers' Supplies and Machinery | 1256 & 1258 Richmond st. |
| 4653 | Buhrman, H. O | Cincinnati Cooperage Co | Secretary | Riverside, Cincinnati, O. |
| 3541 | Bullock, George | Bullock Electric Mfg. Co | President | Norwood, O. |
| 2639 | Bunke, Barney | | Hay and Grain | 1614 Westwood av., Fairmount. |
| 4425 | Burbank, William F | Empire Line | Agent | Ingalls Building. |
| 4451 | Burchenal, John J | Procter & Gamble Co | Assistant to General Manager | United Bank Building. |

| | | | | |
|---|---|---|---|---|
| 4317 | Burckhardt, Horatio W | Burckhardt & Co | Oils and Lard | 323 Sycamore st. |
| 1633 | Burckhardt, Rufus | Burckhardt & Co | Oils and Lard | 323 Sycamore st. |
| 4465 | Burger, Carl F | Burger Brothers | Hops, Malt and Brewers' Supplies | 83 E. McMicken ave. |
| 4597 | Burkam, Chares B | | | 1350 E. McMillan st. |
| 3264 | Burnside, E. A | with The Campbell's Creek Coal Co. | Coal and River Transportation | Point Pleasant, W. Va. |
| 1428 | *Byrne, John | | | 45 Wall st., New York City. |
| 4137 | *Caldwell, Richard F | | | |
| 569 | Calvert, William H | Merchants & Manufacturers Ins. Co. | President | 404 First National Bank Bldg. |
| 4578 | Camerer, William | A. Schmitt & Co. | Flour and Commission | 850 W. Sixth st. |
| 3679 | Campbell, B. W | The Perkins-Campbell Co | Harness and Saddlery (President) | 622–626 Broadway. |
| 2373 | Cannon, I. James | I. J. Cannon & Co | Produce Commission | 110 E. Front st. |
| 1810 | Carpenter, William B | The W. B. Carpenter Co | Blank Books, Stationery and Printing | 422–428 Main st. |
| 3759 | Carr, Winfield S | | Coal Gauger | S. E. c. Front and Lawrence sts. |
| 4596 | Chapman, Samuel C | with Procter & Gamble Co | Weigher | Ivorydale, O. |
| 4575 | Chase, Charles C | Third National Bank | Vice-President | 14–18 W. Fourth st. |
| 3341 | Chatfield, A. H | Chatfield & Woods Co | Paper Dealers | 347–351 W. Fourth st. |
| 1683 | Chisman, Homer | | Chief Grain and Hay Inspector | 1236 W. Sixth st. & Cham. of Com. |
| 427 | Christy, H. N | | Grain and Hay | Room D, Cham. of Com. Bldg. |
| 3153 | Clancey, J. B | Cin. New Orleans & Tex. Pacific Ry. | Commercial Agent | N. W. cor. Fourth and Vine sts. |
| .... | Clarkson, Austin E | Clarkson & Clarkson | Whisky | 32 Carew Building. |
| 4431 | Clifton, P. L | Pomeroy Salt Association | Agent | Pomeroy, O. |
| 4607 | Coffin, Charles W | The Cincinnati Elevator Co | Superintendent | 932 & 934 W. Fifth st. |
| 1757 | Collins, F. F | Collins & Co | Hay and Grain | 222W. Fourth st. |
| 3410 | Collins, James A | The Cincinnati Street Railway Co. | Secretary | Telephone Building. |
| 3351 | Collins, John E | Collins & Co | Hay and Grain | 222 W. Fourth st. |
| 4237 | Collins, John E., Jr | with Collins & Co | Bookkeeper | 222 W. Fourth st. |
| 4549 | Collins, Percy B | with Collins & Co | | 222 W. Fourth st. |
| 59 | *Collins, Val. P | | | |
| 4623 | Colter, Robert A | C. G. Blake & Co | Wholesale Coal and Coke | 709 First Natl. Bank Bldg. |
| 4472 | Connor, T. A | C. C. C. & St. L. Ry. Co | Local Agent | Pearl and Central ave. |
| 3107 | Corbin, H. F | H. F. Corbin & Co | Whiskies | 425 E. Pearl st. (P. O. Box 95). |
| 4374 | Costello, Joseph F | with Union Grain and Hay Co | Salesman | Rawson Building. |
| 3127 | Cowing, Rufus A | Harkness, Cowing & Co | Manufacturers of Candles | 513–519 Eggleston ave. |
| 4423 | Cox, Alfred H | | | City Hall. |
| 212 | Crail, Walter B. | Monong'la Riv. Con. Coal & Coke Co. | Sales Agent | S. E. c. Front and Lawrence sts. |
| 3675 | Crane, Clinton | C. Crane & Co | Wholesale Lumber | 1739 Eastern ave. |
| 3703 | Crowthers, Robert C | | Dealer in Automobiles | 130 E. Ninth st. |
| 4593 | Cullen, T. J | Burnet House Co | Manager | N. W. cor. Third and Vine sts. |
| 4283 | Cuninghame, A | Luhrig Coal Co | President and Gen'l Manager | N. E. cor. Fourth and Plum sts. |
| 147 | Cunningham, Briggs S | Citizens National Bank | President | United Bank Building. |
| 4337 | Curran, James H | James H. Curran Elevator Co | Manufacturer of Elevators | 114 & 116 W. Second st. |
| 4641 | Curran, Orville P. Jr | The Curran Coal Co | Coal Miners and Shippers | 1008 Mercantile Library Bldg. |
| 4636 | Currus, Frank J | The Van Leunen Co | Hay and Grain | Covington, Ky. |

* Deceased.

MEMBERS OF THE CINCINNATI CHAMBER OF COMMERCE AND MERCHANTS' EXCHANGE.—CONTINUED.

| No. | NAME. | FIRM. | BUSINESS. | LOCATION. |
|---|---|---|---|---|
| 131 | Dair, Charles E. | Dair Bros. | Millers | Harrison, O. |
| 130 | Dair, William | Dair Bros. | Millers | Harrison, O. |
| 4400 | Dalton, H. M. | Consolidated Time Lock Co. | Manfrs. of Time Locks, etc. | 315 & 317 W. Fourth st. |
| 4595 | Dana, E. O. | Campbell's Creek Coal Co. | Miners and Shippers of Coal | 311 Mercantile Library Bldg. |
| 52 | Dana, S. F. | Campbell's Creek Coal Co. | Miners and Shippers of Coal | 311 Mercantile Library Bldg. |
| 3381 | Daniel, L. B. | Early & Daniel Co. (Sec'y & Treas.). | Hay and Grain | N.W. cor. Sixth and Harriet sts. |
| 4386 | Dare, S. H. | Atlantic Coast Line R. R. | General Western Freight Agent | 507-508 Union Trust Building |
| 2595 | Davis, John C. | | Tobacco and Cigars | 412 Vine st. |
| 4498 | Davis, Thomas J. | First National Bank | Cashier | First National Bank Building. |
| 3449 | Davis, Wallace M. | Cincinnati Railroad Omnibus Co. | Superintendent | 19 Opera Place. |
| 76 | Davis, William H. | | Real Estate | Fosdick Bldg. 41 E. Fourth st. |
| 434 | Debar, Joseph | J. Debar & Co. | Wholesale Liquors | 38 Vine st. |
| 4576 | DeCamp, A. J. | Peck-Williamson Heat. & Vent. Co. | Vice-President | 335-339 W. Fifth st. |
| 1669 | DeCamp, J. M., *General Agent* | Liverpool & London & Globe Ins. Co. | | S. W. cor. Third and Main sts. |
| 2967 | Delsignore, Fedele | F. Delsignore & Co. | Foreign Fruits | 114 & 116 E. Front st. |
| 4469 | De Molet, John Jr. | Allen & Munson | Salesman | 910 First Natl. Bank Bldg. |
| 4632 | Dennis, Edward F | | Assistant Grain and Hay Inspector | Chamber of Commerce. |
| 4448 | Dernham, Abraham L. | M. Dernham & Son | Whisky Commission | 243 Main st. |
| 4279 | Dewey, Joseph S. | Dewey Bros. Company | Hay, Grain, Flour, Feed, etc. | Blanchester, O. |
| 3808 | Dickinson, William S. | | | P. O. Box 283, Cincinnati. |
| 4343 | Dickmeier, Louis. | Dickmeier Bros. | Hay, Grain and Feed | 3710 Spring Grove ave. |
| 1932 | Diem, Frederick J. | Diem & Wing Paper Co. | Paper Dealers | Eighth and Eggleston ave. |
| 1991 | Dieterle, George F. | Union Distilling Co. | Secretary and Treasurer | 1006-1010 Richmond st. |
| 4627 | Dill, Albert | | Live Stock and Grain | Mason, Ohio. |
| 1589 | Dillaby, James | | Insurance | 1201 First National Bank Bldg. |
| 4539 | Dillman, J. H. | | Weigher | 1122 W. Sixth st. |
| 4628 | Diver, Frank O. | F. O. Diver Grain Co. | | Middletown, Ohio. |
| 4599 | Doepke, William L. | The Alms & Doepke Co. | Dry Goods | Main and Canal sts. |
| 2541 | Dolph, A. M. | | | The Auburndale. Mt. Aub. City. |
| 894 | Dorsel, John | The Dorsel Co | Millers; also Grain, Hay and Feed | 1108 Monmouth st., Newport, Ky. |
| 4619 | Dorsel, John H. | The Dorsel Co. | Millers; also Grain, Hay and Feed | 1108 Monmouth st., Newport, Ky. |
| 2592 | Douglass, Howard | | Attorney at Law | S. W. cor. Fourth and Main sts. |
| 4365 | Downing, Walter E. | Illinois Central R. R. | Commercial Agent | 423 Vine st. |
| 4499 | Draper, Walter A. | Cincinnati Zoological Co. | Secretary and Treasurer | Head of Vine st. |
| 4301 | Dreese, Harry J. | with S. J. Patterson | Coal | Dayton, O. |
| 3987 | Dreifus, David S | Blome & Dreifus. | Produce Commission | 1010 Race st. |
| 4141 | Drucker, Frederick | | General Contractor and Coal Dealer | Home City, O. |
| 2205 | Drucker, Nathan | N. Drucker & Co. | Trunks and Bags | N. W. cor. Ninth and Broadway. |
| 1293 | Dunholter, John | J. H. Dunholter & Co. | Provisions, Flour and Grain | 55 Walnut st. |
| 380 | Durner, M. | M. Durner & Co | Commission, Whisky | 219 E. Third st. |
| 41 | Dykins, Robert A. | Robert A. Dykins & Co. | Barley, Malt and Oats | Chamber of Commerce. |
| 18 | Dymond, Richard | | Manager, Glenn Estates | 240 E. Fourth st. |

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| 4165 | Earle, James T | Chesapeake & Ohio Ry. Co | Local Freight Agent | 525 W. Fourth st. |
| 2527 | Early, H. Lee | Early & Daniel Co. (President) | Hay and Grain | N. W. cor. Sixth and Harriet sts. |
| 4379 | Eberle, Samuel A | Christ. Eberle Sons | Produce Commission | 206 W. Sixth st. |
| 77 | Ebersole, William V | W. V. Ebersole & Co | Real Estate | 240 E. Fourth st. |
| 4197 | Egan, Thomas P | J. A. Fay & Egan Co | Woodworking Machinery | Front and John sts. |
| 4169 | Eggers, John | The Eggers & Sons Co | Livery Stable and Street Sprinkling | 951–957 Curtis st. |
| 1902 | Eisfelder, H. A | Elsas & Pritz | Hops, Malt and Brewers' Supplies | 214 & 216 E. Court st. |
| 4388 | Eisfelder, Murray | Elsas & Pritz | Hops, Malt and Brewers' Supplies | 214 & 216 E. Court st. |
| 3027 | Elberg, F. W | | Feed Store | Elmwood Place, O. |
| 2025 | Ellis, James W | Ellis & Fleming | Grain and Hay | 512 Chamber of Commerce Bldg. |
| 3887 | Ellison, J. F | Pittsburgh & Cincinnati Packet Line | Superintendent | 204 E. Front st. |
| 893 | Elsas, Lewis | Elsas & Pritz | Hops, Malt, and Brewers' Supplies | 214 & 216 E. Court st. |
| 3283 | Embry, Talton | Greene & Embry | Live Stock Commission | Cincinnati Union Stockyards. |
| .... | *Emery, Thomas J | | | |
| 4514 | Emmert, Frederick L | | Brewers' Grain (Cattle Feed) | 1924 Pleasant st. |
| 4560 | Emrick, Clyde S | The Interstate Grain Co | Hay and Grain | 65 Mitchell Building. |
| 1977 | Erkenbrecher, A. G | | Real Estate, Loans, Investments | 1315 Union Trust Building. |
| 4605 | Ernst, Edward H | Cincinnati Equitable Insurance Co. | Secretary and Treasurer | 38 E. Third st. |
| 3435 | Ernst, John P | Covington Savings Bank & Trust Co. | President | Covington, Ky. |
| 4446 | Eshelby, E. O | The Commercial Tribune | President and Manager | Commercial-Tribune Building. |
| 645 | Espy, James | | Banker | 3798 Clifton ave. |
| 1857 | Evans, Arthur O | Patterson & Evans | General Commission | 52 Vine st. |
| 4367 | Evans, David T | Mt. Carbon Company (Ltd.) | Coal and Coke | Powellton, W. Va. |
| 4583 | Evans, Harry T | Interstate Grain Co | Hay and Grain | 52 Mitchell Building. |
| 3089 | Eversman, J. F | | Live Stock Reporter | Cincinnati Union Stockyards. |
| 1658 | Ezekiel, Henry C | The Ezekiel & Bernheim Co | Auctioneers and Commission | 334 Main st. |
| 4043 | Ezekiel, Walter A | The Ezekiel & Bernheim Co | Auctioneers and Commission | 334 Main st. |
| 1538 | Fairley, William | | | 2819 Park ave., Wal. Hills, City. |
| 3737 | Faran, James J | | | 213 Bodman ave., Mt. Aub., City. |
| 4570 | Farrell, Thomas F | New River Con. Coal & Coke Co | Traffic Manager | 142 Ingalls Building. |
| 2558 | Fedders, John H | J. H. Fedders & Sons | Flour, Feed and Grain | 420 Pike st., Covington, Ky. |
| 2483 | Felss, Theobald | The Felss Flour Milling Co | President | N. W. c. Third and Baymiller sts. |
| 4556 | Felss, Theobald, Jr | The Felss Flour Milling Co | | N. W. c. Third and Baymiller sts. |
| 4610 | Fenner, N. Paul, Jr | American Valve & Meter Co | | 1119–1125 Gest st. |
| 3981 | Ferger, August | Early & Daniel Co. (Vice-President) | Hay and Grain | N. W. cor. Sixth and Harriet sts. |
| 3867 | Fetter, O. G | Cincinnati Car Service Bureau | Manager | 10 Carew Building. |
| 4049 | Ficke George A | Christian Moerlein Brewing Co | Superintendent, Bottling Dep't | 2019–2021 Elm st. |
| 3645 | Ficker, Ben | | Flour | 11 Jordan st. |
| 83 | Field, Walter H | The American Cotton Oil Co | Vice-President | 441–465 E. Sixth st. |
| 4420 | Finch, Will L | Cincinnati Industrial Bureau | Secretary | 501 Union Trust Building. |
| 3988 | Finke, H. J | Finke & Schwier | Produce Commission | 1008 Race st. |
| 4335 | Finkle, L. V | Norfolk & Western Railway | General Agent | 45 E. Fourth st. |

MEMBERS OF THE CINCINNATI CHAMBER OF COMMERCE AND MERCHANTS' EXCHANGE.—CONTINUED.

| No. | NAME. | FIRM. | BUSINESS. | LOCATION. |
|---|---|---|---|---|
| 3972 | Fish, Charles E., Jr. | B. & O. S-W. Ry. Co | Local Freight Agent | Second and Smith sts. |
| 1310 | Fisher, Charles S. | J. W. Fisher & Co | Grain and Hay Commission | 116 & 118 E. Water st. |
| 4124 | Fisher, John | Shollenbarger & Fisher | Grain | Collinsville, Butler Co., O. |
| 592 | Fisher, John W. | J. W. Fisher & Co | Grain and Hay Commission | 116 & 118 E. Water st. |
| 4634 | Fitzgerald, Edward A | with The Cincinnati Grain Co | Salesman | N. E. cor. Walnut and Water sts. |
| 3980 | Fitzgerald, John S. | C. C. C. & St. L. Ry. Co. | Contracting Agent | 37 Ingalls Building. |
| 3969 | Fleischmann, Julius | Fleischmann & Co | Distillers | N. W. cor. Plum and Perry sts. |
| 4291 | Fleischmann, Max C. | Fleischmann & Co | Distillers | N. W. cor. Plum and Perry sts. |
| 1190 | Fleming, F. E. | Ellis & Fleming | Grain and Hay | 512 Chamber of Commerce Bldg. |
| 315 | Flemming, R. H. | Southern Contracting Co. | Lumber, Sand and Real Estate | Ludlow, Ky. |
| 3118 | Fletcher, Victor | The Mihalovitch-Fletcher Co. | Wines and Liquors | 514-518 E. Pearl st. |
| 4615 | Flint, William H. | Flint & Co | Coal Miners and Shippers | Pittsburgh, Pa. |
| 4433 | Foraker, J. B., Jr. | The Cincinnati Traction Co. | Vice-President | Traction Building. |
| 1989 | Ford, Collin | Ætna Life Insurance Co. | Manager | 504-512 Com'l-Tribune Bldg. |
| 2857 | Fortney, P. R. | | Insurance | Masonic Temple. |
| 3170 | Forwood, W. H | The Forwood Shoe Co. | President | 22 W. Third st. |
| 4643 | Foster, Louis W | Foster & Co. | Brokers | Baker Court, 1st Nat. Bank Bldg. |
| 348 | Foster, Seth C. | The Stearns & Foster Co. | Mfrs. of Wadding and Batting | 114-120 E. Canal st. |
| 4536 | Foulds, Colburn S. | Foulds Milling Co | | 1225-1235 Budd st. |
| 2517 | Foulds, Frank W. | Foulds Milling Co | | 1225-1235 Budd st. |
| 3300 | Fox, Frank | Fox & Jewell | Commission, Horses and Mules | 3128-3138 Spring Grove ave. |
| 4147 | Frazer, E. S. | | Stocks, Grain and Provisions | Chamber of Commerce. |
| 4173 | Frazer, Harry E. | | Stocks, Grain and Provisions | Chamber of Commerce. |
| 4044 | Frederick, Robert G. | Kiewit & Frederick | Miller and Grain Dealer | Harrison, O. |
| 2342 | Freiberg, Abraham | J. & A. Freiberg | Wholesale Liquors | 206 E. Front st. |
| 2393 | Freiberg, Joseph | J. & A. Freiberg | Wholesale Liquors | 206 E. Front st. |
| 4321 | Freiberg, Henry | Freiberg & Kahn | Wholesale Liquors | 52 Main st. |
| 852 | *Freiberg, Julius (Honorary) | | | |
| 2179 | Freiberg, J. Walter | Freiberg & Workum | Distillers | 216-220 Public Landing. |
| 2466 | Freiberg, Maurice J | Freiberg & Workum | Distillers | 216-220 Public Landing. |
| 4398 | Freiberg, Sigmund | Sig. & Sol. H. Freiberg | Wholesale Liquors | 424-426 W. Fourth st. |
| 4399 | Freiberg, Solomon H. | Sig. & Sol. H. Freiberg | Wholesale Liquors | 424-426 W. Fourth st. |
| 4127 | French, Tilden R. | French Bros. Dairy Co. | President | 316 & 318 W. Seventh st. |
| 4571 | Freund, Ernst Adolph | | Pork and Beef Packer | 1214-1217 W. Liberty st. |
| 3054 | Frey, John H. | | | 3636 Washington av., Avondale. |
| 3158 | Fries, Gustave R. | Alex. Fries & Bros. | Chemical Works | 312-316 E. Second st. |
| 4415 | Frohman, Harry F. | The S. Obermayer Co. | Foundry Supplies | 641-647 Evans st. |
| 2022 | Frondorf, George | | Live Stock Dealer | Bridgetown, O., P. O. Sta. L, Cin. |
| 4510 | Funck, Gustav E. | Funck Bros. | Commission, Produce | 228 & 230 W. Sixth st. |
| 3964 | Furlong, John S. | | Weigher | Harrison av. and B. & O. S-W. Ry |
| 729 | Furst, Abe | | Live Stock Dealer | 22 E. Eighth st. |
| 2415 | Furst, Joseph C | Furst Bros. | Wholesale Liquors | 122 & 124 E. Seventh st. |
| 3797 | Furst, Samuel | Furst Bros. | Wholesale Liquors | 122 & 124 E. Seventh st. |

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| 4439 | Galbraith, George W. | Laidlaw-Dunn-Gordon Co. | Pumping Machinery | 211 W. Fourth st. |
| 3329 | Gale, Albert C. | Gale Brothers Co | Hay, Flour, Grain and Feed | Intersect'n Third & W. Front sts. |
| 557 | Gale, B. W | Gale Brothers Co | Hay, Flour, Grain and Feed | Intersect'n Third & W. Front sts. |
| 3991 | Gale, P. M. | Gale Brothers Co | Hay, Flour, Grain and Feed | Intersect'n Third & W. Front sts. |
| 4533 | Galatti, Edward | Pittsburgh Coal Co | Local Manager | 334 W. Fourth st. |
| 2324 | Gamble, David B. | The Procter & Gamble Co. | Soap, Candles and Oils | 1430 Union Trust Building. |
| 529 | Gamble, James N. | The Procter & Gamble Co. | Soap, Candles and Oils | 1430 Union Trust Building. |
| 919 | Garlick, Henry | H. Garlick & Co | Naval Stores and Commission | 116 W. Pearl st. |
| 3820 | Garrison, F. L. | Kanawha Coal and Coke Co. (Pres't) | Miners and Shippers of Coal | 605 First National Bank Bldg. Pittsburg, Pa. |
| 4624 | Geegan, James G. | Clyde Coal Co | | 1006–1010 Richmond st. |
| 3902 | Geisler, Julius | Union Distilling Co. | Salesman | 60 Main st. |
| 4645 | Gerdes, Edwin G. | The G. & B. Gerdes Co | Distill'rs & Wholesale Liquor Deal'rs | 1006–1010 Richmond st. |
| 647 | Gerke, George | Union Distilling Co | President | Nashville, Tenn. |
| 3150 | Gerst, William | William Gerst Brewing Co. | | 516 Union Trust Building. |
| 2974 | Gibbs, Edwin C. | Geo. W. Neare, Gibbs & Co | Insurance | 311 Mercantile Library Bldg. |
| 2067 | Gillham, Robert P. | Campbell's Creek Coal Co. | Secretary and General Manager | 507 Walnut st. |
| 4496 | Gilligan, Andrew C. | Cincinnati & Suburban Delivery Co. | President | 944 W. Fifth st. |
| 4314 | Ginn, Charles E. | Archer-Daniels Linseed Co | Local Agent | Express Bldg., Front and Butler. |
| 4350 | Glen, William W. | Adams Express Co | | 240 E. Fourth st. |
| 17 | Glenn, James M. | | Manager, Glenn Estates | 910 Mercantile Library Bldg. |
| 2585 | Goebel, Herman P. | | Attorney at Law | Spitzer Building, Toledo, O. |
| 2563 | Goemann, Henry L. | Goemann Grain Co. | President | 322 326 Hunt st. |
| 241 | Goepper, Edward | The Herman Goepper Co | Malt, Hops and Brewers' Supplies | 1828 Kinney ave. |
| 2685 | Gold, George J | | | Sixth and Carr sts. |
| 4480 | Good, Henry J. | H. J. Good & Co | Hay, Grain and Feed | 301 Union Trust Building. |
| 3458 | Goodale, Levi C. | The Bradstreet Co | Superintendent | S. W. c. Seventh and Freeman av. |
| 207 | Goshorn, E. C. | National Lead Co | Manager | Glendale, O. |
| 3182 | Gould, William H. | | | N. E. cor. Walnut and Water sts. |
| 4557 | Gowling, Alfred | The Cincinnati Grain Co. | Treasurer | 49 Walnut st. |
| 342 | Goyert, J. H | Goyert & Vogel | Produce Commission | Rawson Building. |
| 4542 | Granger, Daniel B. | Union Grain and Hay Co | Salesman | Rawson Building. |
| 3338 | Granger, W. W. | Union Grain and Hay Co | Manager | Chamber of Commerce Building. |
| 1567 | Grant, Edward S. | Cincinnati Provision Export Co. | Provisions | 96-97 Ingalls Building. |
| 1089 | Gray, Adam | Gray, Dolle & Latta | Fire Insurance | 121 & 123 W. Fourth st. |
| 4503 | Greene, Edward | Hartwell Furniture Co. | Manufacturers of Furniture | Cincinnati Union Stockyards. |
| 2216 | Greene, Thomas M. | Greene & Embry | Live Stock Commission | Spring Grove av. and Rawson st. |
| 4455 | Greenebaum, Simon | Ohio and Ky. Kid Leather Mfg. Co. | Tanners (President) | 720 E. Pearl st. |
| 3210 | Greenwald, C. E. | The I. & E. Greenwald Co | Founders and Machinists | 720 E. Pearl st. |
| 3211 | Greenwald, T. L. | The I. & E. Greenwald Co | Founders and Machinists | United Bank Building. |
| 191 | Griffith, G. P. | Citizens National Bank | Vice-President | 534 Walnut st. |
| 3195 | Griffiths, Samuel T. | S. T. Griffiths & Bro | Grocers | 858 W. Sixth st. |
| 4272 | Grogan, James J. | White Oak Distillery Co. | Proprietor | Deer Creek, near Court st. |
| 3499 | Grote, Frank C. | The Globe Chemical Co. | Chemicals, Drugs and Oils | 504 Union Trust Building. |
| 4071 | Grote, J. G. F., Jr | | | |

* Deceased.

MEMBERS OF THE CINCINNATI CHAMBER OF COMMERCE AND MERCHANTS' EXCHANGE.—CONTINUED.

| No. | NAME. | FIRM. | BUSINESS. | LOCATION. |
|---|---|---|---|---|
| 4015 | Grubbs, Edgar A. | E. A. Grubbs Grain Co. | Manager | Greenville, O. |
| 2309 | Grueter, J. Herman | The Gerke Brewing Co. | Secretary and Treasurer | Plum and Canal sts. |
| 3774 | Gruner, Hugo | Gruner & Beckwith | Mdse. Brokers and Manfrs. Agents. | 25 & 27 W. Second st. |
| 3503 | Guckenberger, Fred | The Jacobs Cordage Co. | Secretary | 1205 Budd st. |
| 3360 | Guckenberger, George | Atlas National Bank | President | Atlas Bank Building. |
| 4551 | Guthrie, Walter F. | Standard Oil Co. | | 105–109 E. Pearl st. |
| 767 | Hall, Edward C | The Hall's Safe Co | Manufacturers of Safes (President) | Spring Grove av. and Kinney st. |
| 3846 | Hall, Thomas J | T. J. Hall & Co | Coal, Towboating and Freighting | Foot of Lawrence st. |
| 3223 | Hall, William A. | The Cincinnati Cooperage Co. | Secretary | Cincinnati, O. |
| 3667 | Halm, George M. | G. M. Halm & Co. | Coal and Coke | 902 Neave Building. |
| 3903 | Hamann, Henry W. | | Hay and Grain | Harrison av. and B. & O. S-W. Ry |
| 4168 | Hanna, John P. | Wiborg Hanna Co. | Poplar and Hardwood Lumber | Cummins st., Fairmount. |
| 4616 | Harlow, Thomas S. | The Murdock Plumbing Co. | Plumbers and Gasfitters | 343 W. Fourth st. |
| 2846 | Harris, George W. | James Levy & Bro. | Distillers and Liquor Dealers | 307 309 Traction Building. |
| 3530 | Harrison, W. H. | W. H. Harrison & Co. | Coffee and Spices | 15-19 E. Second st. |
| 3874 | Hart, Edward | E. Hart & Co. | Cloths and Woolens | Power Bldg., Eighth & Sycam're |
| 2939 | Hartweg, Fred | | | Foot of Race st. |
| 2783 | Hartweg, Gottlieb | Collins & Hartweg Co. | Coal and River Transportation | Foot of Race st. |
| 1680 | Haskins, Robert | R. Haskins & Co. | Provisions | 205 Walnut st. |
| 3656 | Hatfield, James | Hatfield Coal Co. | | 634 Madison av., Covington, Ky. |
| 3004 | Hauck, Louis J. | The John Hauck Brewing Co. | President | Central ave. and Dayton st. |
| 2288 | Hauck, P. W. J. | The John Hauck Brewing Co. | Vice-President | Central ave. and Dayton st. |
| 2817 | Hauser, Stephan, Jr. | The Hauser, Brenner & Fath Co | Tubs and Cooperage | 2129 McLean ave. |
| 2780 | Havlin, John | | | |
| 2122 | Hayes, Timothy | Hayes Valley Distilling Co. | Distiller | Levingood, Ky. |
| 4580 | Heekin, James J. | The James Heekin Co. | Roasted Coffees (Sec'y and Treas.) | Walnut and Water sts. |
| 3018 | Hehman, G., Jr. | G. Hehman & Son | Flour, Feed and Commission | 131 & 133 E. Water st. |
| 762 | Hehman, Louis | Piqua Malt Co. | Secretary | N.E.c. Pearl & Main (P.O. Box 164) |
| 2486 | Heid, John B. | Heid & Koss | Flour | 305 Vine st. |
| 4310 | Heidelbach, Seward | Fabian Manufacturing Co. | Manufacturers of Ladies' Wear | Pugh Building. |
| 2818 | Heidrich Charles | Charles Heidrich & Co. | Produce Commission | 33 Walnut st. |
| 4298 | Heile, Anthony L. | | | |
| 1794 | Heile, Frank, Jr. | | | |
| 2445 | Heinsheimer, Edward L. | P. J. Goodhart & Co. | Bankers and Brokers | First National Bank Building. |
| 2835 | Heitmeyer, Charles W. | | | 1314 Race st. (P. O. Box 77). |
| 633 | *Heitmeyer, J. F. | | | |
| 4586 | Hellner, John C. | Southern Grain Co. | Grain and Hay | Hopkins st. & President Place. |
| 1207 | Hemingray, Dan. C. | Hemingray Glass Co. | Manfrs. of Glass (Sec'y & Treas.) | Covington, Ky. |
| 1936 | Henderson, W. D. | Henderson Lithographing Co. | Lithographers (President) | 418–422 Sycamore sts. |
| 237 | Herzog, George | George Herzog & Co. | Wholesale Liquors | 30 Main st. |

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| 718 | Herzog, Henry | | Commission | S. W. cor. Main & Water sts. |
| 4405 | Hess, Charles H | Chas. H. Hess & Co | Commission, Produce | 12–14 W. Court st. |
| 3721 | Heuermann, Charles | with Joseph Heuermann | Feed and Grain | Court and Broadway. |
| 3674 | Heuermann, Joseph | | Feed and Grain | Court and Broadway. |
| 4601 | Hill, Edward C | with Merchants & Mfrs. Ins. Co | Solicitor | 404 First National Bank Bldg. |
| 4121 | Hill, Harry H | Southern Grain Co | Grain and Hay (Manager) | Hopkins st. & President Place. |
| 4468 | Hill, Harvey B | A. Hill & Sons | Coal, Salt: Wharfboat | Aurora, Ind. |
| 3322 | Hinsch, C. A | Fifth National Bank | President | S. W. cor. Fourth and Vine sts. |
| 4067 | Hinsch, Chapman R | Hinsch Coal and Coke Co | | 719 W. Front st. |
| 1126 | Hirsch, Simon | The Star Distillery Co | Distillers and Redistillers | 529 & 531 Walnut st. |
| 2037 | Hoban, Nicholas J | | Hoop-poles and Cooperage | S. E. cor. Race & Water sts. |
| 55 | Hobart, William N | Diamond Distilleries Co | President | 417–425 E. Pearl st. |
| 3493 | Hoffheimer, Clarence A | Hoffheimer Bros. Co | Distillers and Redistillers | 123 & 125 Sycamore st. |
| 4464 | Hoffheimer, Herbert | Hoffheimer Bros. Co | Distillers and Redistillers | 123 & 125 Sycamore st. |
| 525 | Hoffheimer, Milton S | Hoffheimer Bros. Co | Distillers and Redistillers | 123 & 125 Sycamore st. |
| 3787 | Hoffheimer, Samuel A | Hoffheimer Bros. Co | Distillers and Redistillers | 123 & 125 Sycamore st. |
| 2948 | Hoffmann, John | John Hoffmann Packing Co | Pork Packers | S. W. c. Cent. ave. & Baymiller. |
| 3788 | Hoffmann, John | John Hoffmann's Sons | Pork Packers | 2148–2162 Coleman st. |
| 4656 | Hoffmann, Michael F | | Pork and Beef Packer | 215 W. Sixth st. |
| 299 | Holden, R. A | R. A. Holden & Co | Dried Fruit, Beans, etc | 46 Main st. |
| 195 | Holloway, C. M | | Commissioner of Water-works | 1307 Union Trust Building. |
| 952 | Holterhoff, Godfrey | W. C. Biles & Co | Commission, Whisky | 313 Vine st. |
| 3556 | Homan, Joseph T | Homan Manufacturing Co | Manufacturers Silver-plated Ware | 214–226 E. Seventh st. |
| 4014 | Homan, Louis | Homan Manufacturing Co | Manufacturers Silver-plated Ware | 214–226 E. Seventh st. |
| 260 | Hooker, James J | The Putnam, Hooker Co | Dry Goods Commission | 212–218 E. Third st. |
| 1083 | Hopple, William A | The John Shillito Co | Dry Goods, Carpets, etc | Race, Seventh and Shillito Place. |
| 1164 | Hosea, R. H | Hosea & Co | General Commission Merchants | S. W. cor. Front and Main sts. |
| 4507 | Hosty, John A | Louisville & Nashville R. R. Co | Soliciting Agent | S. E. cor. Fifth and Vine sts. |
| 3840 | Houston, Charles R | Houston, Stanwood & Gamble Co | Engine Builders | Covington, Ky. |
| 4629 | Howard, Harry W | | Farmer | Gano, Butler Co., Ohio. |
| 3139 | Howe, Willard W | Sunnyside Distilling Co | Distillers | Covington, Ky. |
| 3663 | Hubbard, Charles R | Hubbard, Hauss & Ragsdale | Live Stock Commission | Cincinnati Union Stockyards. |
| 960 | Hubbell, W. M., Jr | | Wholesale Coal | Foot of Race st. |
| 3618 | Hukill, Winfield S., Jr | Merchants & Manufacturers Ins. Co | Secretary | 404 First National Bank Bldg. |
| 307 | Huntington, Frank | | Agent, Johnston Estate | 416 Johnston Building. |
| 4666 | Hurford, Henry E | Hurford & Pursell | Merchandise Brokers | 506 Chamber of Commerce Bldg. |
| 1965 | Huschart, George H | | Provision Broker | Fosdick Bldg. 41 E. Fourth st. |
| 49 | Hutton, William E | W. E. Hutton & Co | Note, Stock and Bond Brokers | First National Bank Building. |
| 4552 | Immenhort, William L | Marmet–Halm Coal & Coke Co | Miners and Shippers of Coal | 601–602 Neave Building. |
| 4411 | Ingalls, George H | C. C. C. & St. L. Ry. Co | Asst. Gen'l Freight Agent | Big Four Office Building. |

* Deceased.

MEMBERS OF THE CINCINNATI CHAMBER OF COMMERCE AND MERCHANTS' EXCHANGE.—CONTINUED.

| No. | NAME. | FIRM. | BUSINESS. | LOCATION. |
|---|---|---|---|---|
| 99 | Ingalls, M. E | C. C. C. & St. L. Ry. Co | Chairman of the Board | Big Four Office Building. |
| 3328 | Irwin, William G | | Merchandise Broker | 9 E. Third st. |
| 3567 | Isaacson, William J | Dayton Coal and Iron Co. (Limited). | Pig Iron | First National Bank Building. |
| 3749 | Ives, Franklin | Globe Soap Co | President | 106 E. Water st. |
| 3369 | Izor, Monroe | with Early & Daniel Co | Flour | N. W. cor. Sixth & Harriet sts. |
| 4227 | Jacob, Charles | | Pork Packer | 1972 Plum st. |
| 265 | Jacob, Charles H | Sunnyside Distilling Co | Distillers | Covington, Ky. |
| 4663 | Jacobs, Leo | Swift & Co. (Chicago) | Provisions—Local Manager | 27-29 Main st. |
| 1602 | Janszen, August | A. Janszen & Co | Wholesale Grocers | S. E. c. Second and Walnut sts. |
| 1603 | Janszen, Henry | | Teamster | 231 Walnut st. |
| 2295 | Johnson, John A., *Ass't Secretary.* | Covington & Cincinnati Bridge Co | | Covington, Ky. |
| 4394 | Johnson, Justin J | Blue Ridge Despatch | Agent | 810 Traction Building. |
| 4508 | Johnson, N. R | C. C. C. & St. L. Ry. Co | General Agent | 37 Ingalls Building. |
| 4463 | Johnson, W. S | W. W. Johnson & Co | Whisky | 120 Sycamore st. |
| 4648 | Johnson, W. Thomas | with Procter & Gamble Co | Salesman | United Bank Building. |
| 4567 | Johnston, Stephen R | Keystone Commercial Co | Grain and Produce | Pittsburgh, Pa. |
| 2413 | Jones, Frank J | | Attorney at Law | Fosdick Bldg., 41 E. Fourth st. |
| 4594 | Jones, Harry P | Big Hill Coal Co | Miners and Shippers of Coal | 912-913 Union Trust Building. |
| 3960 | Jones, John H | Pittsburgh & Buffalo Co. (President) | Miners and Shippers of Coal | Frick Building, Pittsburgh, Pa. |
| 4142 | Jones, Thomas P | Pittsburgh & Buffalo Co. (Vice-Pres't) | Miners and Shippers of Coal | Frick Building, Pittsburgh, Pa. |
| 2395 | Jones, Walter St. John | Jones, Montgomery & Haas | Fire Insurance | 704-705 Traction Building. |
| 3133 | Jung, J. George | Christian Moerlein Brewing Co | Secretary and Treasurer | 2019 & 2021 Elm st. |
| 2127 | Kahn, Bernhard | | | 2239 Park ave. |
| 1216 | Kahn, Felix | Estate Stove Co | Stove Manufacturers | Hamilton, O. |
| 444 | Kahn, Lazard | Estate Stove Co | Stove Manufacturers | Hamilton, O. |
| 4662 | Kasten, Fred | Armacost, Riley & Co | Manager Produce Department | 103 E. Front st. |
| 2519 | Kaus, John | with J. F. Sadler & Co | Live Stock Dealers | Cincinnati Union Stockyards. |
| 4246 | Keller, George | | Hay, Grain and Flour | 725 Monmouth st., Newport, Ky. |
| 824 | Kellogg, Charles H., Jr | Third National Bank | President | 14 18 W. Fourth st. |
| 4561 | Kenan, Norman G | Cincinnati Gas & Electric Co | President | S. W. cor. Fourth and Plum sts. |
| 4410 | Kennedy, Guy H | Goodloe & Kennedy | Public Accountants and Auditors | 403 & 404 Traction Building. |
| 420 | Kennedy, John M | Interurban Railway & Terminal Co. | Treasurer | 415-419 Sycamore st. |
| 1340 | Kerr, J. C | J. C. Kerr & Co | Wholesale Grocers | 26 W. Second st. |
| 2813 | Keys, John B | | | |
| 3871 | Kiechler, Phillip S | | | 71 Atlas Bank Building. |
| 3835 | Kilgour, B. L | Cin'ti and Suburban Bell Tel. Co | General Manager | Telephone Building. |
| 502 | Kilgour, John | Cincinnati Street Railway Co | President | Telephone Building. |
| 3909 | King, Charles H | New York Central Lines | Agent | N. E. cor. Fouth & Vine sts. |
| 2618 | Kingsbury, Charles G., *Agent* | American Express Co | | 16 E. Fourth st. |

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| 2528 | Kinsey, George | Jones & Laughlin Steel Co. (Limited) | Iron and Steel (District Manager) | 1209 Union Trust Building. |
| 58 | Kinsinger, Fred | Distillery Company No. 2 | Distiller | Milldale, Ky. |
| 4664 | Kisker, William | John V. Kisker & Co | Commission Produce | 11–13 Main st. |
| 4569 | Klein, Samuel | Klein Bros | Wholesale Liquors | 214 E. Eighth st. |
| 4351 | Klein, Sigmund | Klein Bros | Wholesale Liquors | 214 E. Eighth st. |
| 2803 | Klein, William | with Union Grain & Hay Co | Hay and Grain | Rawson Building. |
| 3016 | Kleybolte, Leopold | Western German Bank | President | Twelfth and Vine sts. |
| 3501 | Kleybolte, Rudolph | Rudolph Kleybolte & Co | Note, Stock and Bond Brokers | S. E. c. Fourth and Walnut sts. |
| 4608 | Klum, Edward T | | Merchandise Broker | 11 E. Second st. |
| 3982 | Knaul, Charles E | | Grain Commission | 517 Chamber of Commerce Bldg. |
| 659 | Knaul, M., Jr | | Capitalist | 517 Chamber of Commerce Bldg. |
| 4612 | Koehl, Edward G | | Grain and Hay | Reading, O. |
| 4435 | Koehler, George | Rudolph Kleybolte & Co | Note, Stock and Bond Brokers | S. E. c. Fourth and Walnut sts. |
| 3955 | Koss, Nicholas | Heid & Koss | Flour Commission | 305 Vine st. |
| 4163 | Kramer, William H | | Hay and Grain | 1110 Sycamore st. |
| 1184 | Kreis, John A | The Shinkle-Wilson-Kreis Co | Wholesale Grocers | S. E. cor. Vine and Front sts. |
| 3289 | Krell, Albert, Jr | Auto-Grand Piano Co | President | New Castle, Ind. |
| 3053 | Kroger, B. H | Kroger Grocery and Bakery Co | President and Treasurer | 521 Reading Road. |
| 3600 | Kroger, Robert J | Kroger Coal and Coke Co | Coal and Coke | 34 Mitchell Building. |
| 2355 | Krohn, Louis | | | 530 Walnut st. |
| 4657 | Krotzenberger, Charles | New York Central Lines | Gen'l. Agent Passenger Department | 36 Ingalls Building. |
| 3561 | Kugel, Ignatius | with Rheinstrom, Bettman, Johnson & Co. | Salesman | 906–910 Sycamore st. |
| 1023 | *Kuhlmann, Bernard | | | |
| 1543 | Kuhn, Louis | S. Kuhn & Sons | Bankers | 24 E. Third st. |
| 3905 | Kuhn, Simon | S. Kuhn & Sons | Bankers | 24 E. Third st. |
| 1742 | Kushman, Frederick | F. Kushman & Co | Produce Commission | 133 E. Front st. |
| 631 | Kyle, B. F | Kyle & Williamson | Grain and Live Stock | Kyles, O. |
| 2135 | Lackman, Albert | The Herman Lackman Brewing Co. | President and Treasurer | 823 W. Sixth st. |
| 2136 | Lackman, H. F | The Herman Lackman Brewing Co. | Vice-President | 823 W. Sixth st. |
| 1380 | Lafferty, D. E | | Weigher | Cor. Budd and Harriet sts. |
| 4368 | Laidlaw, Walter | Laidlaw-Dunn-Gordon Co | Vice-President and Treasurer | 211 W. Fourth st. |
| 2 | Laidley, F. A | Louisville & Cincinnati Packet Co. | General Manager | Foot of Main st. |
| 3052 | Lampe, John B | | Feed Store | Carthage, O. |
| 546 | Langdon, Perin | Nat'l Biscuit Co. (Langdon Branch) | Bread and Cracker Bakers | 323–407 Lock st. |
| 1906 | Laralde, E. N | | Stock Broker | 112 E. Third st. |
| 743 | Laws, Harry L | James H. Laws & Co | Commission | 1405 First National Bank Bldg. |
| 1012 | Lawson, F. H | The F. H. Lawson Co | Tin Plate and Metals | 437 & 439 Main st. |
| 1970 | Lett, Allen W | Lett & Co | Commission | 48 Walnut st. |
| 4355 | Letzler, Emil | Corryville Feed Co | Hay, Grain and Coal | 2533 & 2535 Vine st. |
| 2234 | Leverone, John | J. Leverone & Co | Foreign Fruits and Fancy Groceries | 100 & 102 E. Front st. |
| 748 | Levi, Louis S | | | P. O. Box 517, City. |
| 1715 | Levi, Sol. W | The Star Distillery Co | Distillers and Redistillers | 529 & 531 Walnut st. |

* Deceased.

MEMBERS OF THE CINCINNATI CHAMBER OF COMMERCE AND MERCHANTS' EXCHANGE.—CONTINUED.

| No. | NAME. | FIRM. | BUSINESS. | LOCATION. |
|---|---|---|---|---|
| 432 | *Levy, Albert | | | |
| 2461 | Levy, Harry M. | James Levy & Bro. | Distillers and Liquor Dealers | 307-309 Traction Building. |
| 431 | Levy, James. | | | 307-309 Traction Building. |
| 4644 | Lewis, Charles | The James Heekin Co. | Roasted Coffees (President) | Walnut and Water sts. |
| 393 | Lewis, Eugene L. | Guarantee Title and Trust Co. | Vice-President | P. O. Box 583, City. |
| 4573 | Lewis, George H. | Lawrenceburg Roller Mills Co. | Secretary and Manager | Lawrenceburg, Ind. |
| 4208 | Lewis, Thornton | Kanawha Dispatch | Manager | Ingalls Building. |
| 1809 | Lewis, W. H. | W. H. Lewis & Co. | Leaf Tobacco | 19 W. Front St. |
| 3924 | Lindsay, John D | Big Four Grain Elevator | Agent | Sixth and Harriet sts. |
| 305 | Lippelmann, H. H. | | | Glendale, O. |
| 3180 | Lippincott, W. J. | | | United Bank Building. |
| 4457 | Lisman, Anthony A. | A. A. Lisman & Co. | Bonds, Investment Securities | 25 Broad st., New York, N. Y. |
| 566 | Loewenstein, Daniel | A. Loewenstein's Sons | Wholesale Butchers | S.W. c. John and Livingston sts. |
| 563 | Loewenstein, Herman | Cincinnati Abattoir Co | Vice-President | 3251 Spring Grove ave. |
| 3683 | Lohrey, Jacob | | Smoked Fish and Provisions | 2147-2151 Kindel ave. |
| 1983 | Long, Simon | Long, West & Co. | Live Stock Commission | Cincinnati Union Stockyards. |
| 4344 | Longfellow, Nathan | N. Longfellow & Co. | Produce Commission | 126 E. Front st. |
| 618 | Loudon, James A. | Loudon & Co. | Grain Commission | Room D, Chamber of Com. Bldg. |
| 4584 | Loudon, James A., Jr. | Loudon & Co. | Grain Commission | Room D, Chamber of Com. Bldg. |
| 2771 | Lynn, M. E. | Queen City Coal Co. | Treasurer and Gen'l Manager | Foot of Freeman ave. |
| 1929 | McCabe, John P. | with Early & Daniel Co. | Hay and Grain | N. W. cor. Sixth and Harriet sts. |
| 3025 | McCallister, William | Chamber of Com. Weighing Bureau. | Chief Weigher | Chamber of Commerce. |
| 4483 | McCoy, Thomas A. | McCoy Bros. | Flour Mill | Liberty, Ind. |
| 4458 | McCrea, J. A. | Pennsylvania Lines. | | Pearl and Butler sts. |
| 494 | McCullough, Albert | J. M. McCullough's Sons Co. | Seeds, Agricultural Implements | 316 & 318 Walnut st. |
| 3977 | McCullough, Harrie B. | J. M. McCullough's Sons Co. | Seeds, Agricultural Implements | 316 & 318 Walnut st. |
| 495 | McCullough, J. Charles | J. Charles McCullough | Seeds, Agricultural Implements | N. E. c. Second and Walnut sts. |
| 216 | McDonald, Alexander | | | 3645 Clifton ave. |
| 4359 | McGowan, Robert B. | The John H. McGowan Co. | Pumping Machinery | 54-58 Central ave. |
| 2141 | McHugh, James T. | Clifton Springs Distilling Co. | Secretary | Cumminsville, City. |
| 3221 | McKenzie, Stephen M | | | 910 First National Bank Bldg. |
| 3549 | McKinley, William H. | | | Pittsburgh, Pa. |
| 409 | McLean, John R. | Cincinnati Enquirer | Proprietor and Publisher | 617 Vine st. |
| 1478 | McLeod, A. H. | Cincinnati, Hamilton & Dayton Ry. | General Agent Freight Dept. | Carew Building. |
| 3591 | McLeod, Albert D. | Cincinnati, Hamilton & Dayton Ry. | Assistant General Freight Agent | Carew Building. |
| 689 | McNamara, T. E. | Terre Haute Distilling Co. | Manager | Terre Haute, Ind. |
| 4530 | McQuillan, William R. | Queen City Grain Co. | Hay, Grain and Feed | 217-218 Carlisle Building. |
| .... | McRae, Milton A., *Manager* | The Post Publishing Co. | | 211-221 Longworth st. |
| 330 | Macbrair, W. C. | Macbrair Lithographing Co. | Vice-President and General Manager. | S. E. cor. Fifth and Sycamore sts. |
| 3639 | Macdonald, John M. | with The Procter & Gamble Co. | Manager, Freight Department | United Bank Building. |

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| 877 | Mack, E. J. | Elias Block & Sons | Distillers | 511 Union Trust Building. |
| 2864 | Mack, M. J | N. W. Mutual Life Insurance Co | Life Insurance | Traction Building. |
| 4053 | Mackey, John | | | Hotel Sterling. |
| 4490 | Maescher, Harry W | Maescher & Co | Pork and Beef Packers | 1754 & 1756 Central ave. |
| 1176 | Maescher, J. V | Maescher & Co | Pork and Beef Packers | 1754 & 1756 Central ave. |
| 4505 | Malley, Edward H | H. H. Meyer Packing Co | Pork and Beef Packers | S. E. c. Central av. and Linn st. |
| 4537 | Magee, William J | Carbon Fuel Co | Manager and Treasurer | 1005 First Nat'l Bank Building. |
| 186 | Maguire, Charles S | Maguire & Co | Grain Commission | 52 Mitchell Building. |
| 4357 | Maguire, Frank R | Maguire & Co | Grain Commission | 52 Mitchell Building. |
| 2335 | Mahoney, James | | Wholesale and Retail Grocer | 232 Broadway. |
| 4640 | Manthey, Albert J | | Coal and Feed | Carthage, Ohio. |
| 3997 | Mappes, William P | W. P. Mappes & Co | Produce Commission | 8 & 10 W. Court st. |
| 2030 | Marblestone, Manuel | | | N. E. c. Seventh and Plum sts. |
| 3644 | Marcus, M | M. Marcus Building Co | President | 1513–1521 Plum st. |
| 14 | Markbreit, Leopold | Cincinnati Volksblatt | President and Manager | 637 Vine st. |
| 4296 | Marmet, Edwin | The Marmet Coal Co | Coal and Coke | 1107 Traction Building. |
| 3908 | Marmet, William | The Marmet Coal Co | Coal and Coke | 1107 Traction Building. |
| 3687 | Martin, Robert A | with The Shinkle-Wilson-Kreis Co | Salesman | Front and Vine sts. |
| 4651 | Masterton, Allan W | Cincinnati Grain Co | Secretary | N. E. cor. Walnut & Water sts. |
| 4543 | Matchette, A. S | Star Union Line | Freight Solicitor | 42 E. Fourth st. |
| 3895 | Mather, Henry R | Castner, Curran & Bullitt | Coal and Coke (Agent) | 201 202 Neave Building. |
| 4604 | Matthews, S. C | P. C. C. & St. L. Ry. Co | Division Freight Agent | 901 Union Trust Building. |
| 956 | Mauck, Eli R | Pittsburgh & Cincinnati Packet Co | General Agent | 204 E. Front st. |
| 2143 | Mayer, Charles | Seasongood & Mayer | Bankers | 406 Walnut st. |
| 3868 | Mayer, Emil M | Mayer Bros. Co | Wholesale Liquors | S. W. cor. Pearl and Walnut sts. |
| 4132 | Meacham, D. B | Rogers, Brown & Co | Pig Iron | Carew Building. |
| 4454 | Meier, H. W. Jr. | | Lumber | McMicken and Ohio aves. |
| 3921 | Melish, William B | Bromwell Brush and Wire Goods Co. | Manfrs. Brushes and Wire Goods | 612 W. Sixth st. |
| 2509 | Menderson, Jacob | The Menderson Clothing Co | President | 409 Commercial-Tribune Bldg. |
| 4219 | Menges, Charles J | Monong'la Riv. Con. Coal & Coke Co. | Supt. of Harbors and Boats | Front and Lawrence sts. |
| 3390 | Mente, Eugene W | Mente & Co | Manufacturers of Bags | New Orleans, La. |
| 4164 | Metzger, George | C. C. C. & St. L. Ry. Co | Division Freight Agent | Big Four Office Building. |
| 4541 | Metzger, John V | J. V. Metzger & Co | Grain and Hay | 307 Johnston Building. |
| 4422 | Metzger, Philip H | White Line and West Shore Line | Contracting Agent | N. E. cor. Fourth and Vine sts. |
| 4428 | Meyer, Clarence B | The H. H. Meyer Packing Co | Pork and Beef Packers | S. E. cor. Central av. and Linn st. |
| 4438 | Meyer, Harry E | The H. H. Meyer Packing Co | Pork and Beef Packers | S. E cor. Central av. and Linn st. |
| 66 | Meyer, H. H | The H. H. Meyer Packing Co | Pork and Beef Packers | S. E. cor. Central av. and Linn st. |
| 3285 | Mihalovitch, B | The Mihalovitch-Fletcher Co | Wines and Liquors | 514–518 E. Pearl st. |
| 3218 | Mihalovitch, Morris | The Mihalovitch-Fletcher Co | Wines and Liquors | 514–518 E. Pearl st. |
| 4650 | Miller, W. C | | | |
| 2490 | Millikin, P. M | | Chief of Police | City Hall, Eighth and Plum sts. |
| 4380 | Milton, Charles J | Smokeless Fuel Co | President | 132 Ingalls Building. |
| 779 | Minor, James R | The Minor & Dixon Co | Wholesale Grocers | 212 & 214 Vine st. |
| 873 | Mitchell, Pierson R | The P. R. Mitchell Co | Wool, Curled Hair, Feathers, etc | Harrison and Spring Grove aves. |
| 4613 | Mitchell, Samuel R | J. V. Metzger & Co | Grain and Hay | 307 Johnston Building. |
| 2911 | Moch, Elias | | Capitalist | S. W. c. Elm and McFarland sts. |

* Deceased.

MEMBERS OF THE CINCINNATI CHAMBER OF COMMERCE AND MERCHANTS' EXCHANGE.—CONTINUED.

| No. | NAME. | FIRM. | BUSINESS. | LOCATION. |
|---|---|---|---|---|
| 2912 | Moch, Moses E | Moch, Berman & Co | Wholesale Clothiers | S.W. c. Elm and McFarland sts. |
| 4248 | Moerlein, John | Christian Moerlein Brewing Co, | President | 2019 & 2021 Elm st. |
| 4249 | Moffett, T. J. | Maley, Thompson & Moffett Co | Hardwood Lumber | Eighth and Evans sts. |
| 4319 | Monfort, Elias R | | Postmaster of Cincinnati | Post-Office Building. |
| 1299 | Montgomery, Robert | | Provision Broker | Fosdick Bldg., 41 E. Fourth st. |
| 518 | Montgomery, William | with Barron-Boyle Co | Salesman | 230 E. Fifth st. |
| 4247 | Moore, Charles H | The C. H. Moore Oil Co | Oils and Lubricants | York st. and McLean ave. |
| 4436 | Moore, Thomas L | with Early & Daniel Co | Flour and Feed | Elsinore ave. and C. L. & N. R. R. |
| 2621 | Moren, John | Monong'la Riv. Con. Coal & Coke Co. | | Pittsburgh, Pa. |
| 4581 | Morgan, A. R | Georgia Railroad | Commercial Agent | 630 Union Trust Building. |
| 4303 | Morgan, Daniel H | with T. J. Hall | Towboat and Barges | Foot of Lawrence st. |
| 3643 | Morrill, William S | | | N. E. cor. Fourth and Vine sts. |
| 4652 | Morris, Ralph H | The Southern Railway | Commercial Agent | 1406 Traction Building. |
| 114 | Morrison, James K | James K. & John C. Morrison | Brokers | Chamber of Commerce. |
| 4378 | Morrison John C | James K. & John C. Morrison | Brokers | Chamber of Commerce. |
| 4545 | Morrison, Roger | with Thomas Morrison & Co | Pork Packers | Bank and Winchell ave. |
| 113 | Morrison, Thomas | Thomas Morrison & Co | Pork Packers | Bank and Winchell ave. |
| 3534 | Morse, Charles P | Erie Railroad Co | General Agent | 304 Mercantile Library Bldg. |
| 4072 | Morten, Joseph D | with Cincinnati Price Current | | Brandon Building. |
| 1813 | Mosler, Max | The Brighton German Bank | President | Cor. Harrison and Colerain aves. |
| 3824 | Mueller, Fred | George Zehler Provision Co | Secretary and Treasurer | 1705 Logan st. |
| 1982 | Mueller, John | | Coal | Lockland, O. |
| 3175 | Muhlhauser, Edward C | Windisch-Muhlhauser Brewing Co. | Superintendent | Plum and Liberty sts. |
| 4406 | Muhlhauser, George P | | Grain Broker | 1167 & 1169 Harrison ave. |
| 1544 | *Muhlhauser, Gottlieb | | | |
| 2941 | Muhlhauser, Henry, Jr | Windisch-Muhlhauser Brewing Co. | Treasurer | Plum and Liberty sts. |
| 3711 | Mullaney, Daniel J | Nash., Chat. & St. Louis Ry. Co | Commercial Agent | 23 Carew Building. |
| 4111 | Mulvihill, John C | | Produce and Provisions | 38 Walnut st. |
| 3398 | Mulvihill, Thomas J | | Undertaker | S. E. cor. Sycamore and New sts. |
| 283 | Munson, George F | | Flour Inspector | Chamber of Commerce |
| 4265 | Murphey, Edwin W | Agent Groesbeck Estate | | 407 Johnston Building. |
| 4403 | Murphy, William J | Cin. New Orleans & Tex. Pac. Ry. Co. | Vice-President | Ingalls Building. |
| 121 | Murray, Charles B. (Honorary) | Editor Cincinnati Price Current | Supt. Chamber of Commerce | Brandon Bldg. & Cham. of Com. |
| 4441 | Murray, Charles C | | Broker, Bonds and Stocks | 405 Union Trust Building. |
| 2750 | Muth, Aug. E | National Biscuit Co | Manager, Muth Branch | 411–419 Richmond st. |
| 3783 | Nadaud, C. E | | Flour Broker—Attorney at Law | Chamber of Commerce. |
| 1154 | *Nagel, Henry | | | |
| 4361 | Nathan, Hugo | A. Guckenheimer & Bros. (Pittsb'gh) | Distillers | 37 St. Paul Building. |
| 2858 | Neff, Clifford Gordon | The Bradford Belting Co | President | N.W. c. Second and Walnut sts. |
| 3730 | Neil, John W | The John H. McGowan Co | Pumping Machinery | 58 Central ave. |

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| 4617 | Neukom, Charles H | F. Jelke & Son Co | Commission Produce | 53 Walnut st. |
| 4606 | Niebling, Fred W | The F. W. Niebling Co | Mfrs. Ice & Refrigerating Machinery | Norwood, Ohio. |
| 4502 | Nielson, Harry R | Winifrede Coal Co | Sales Agent | 1527 Union Trust Building. |
| 4577 | Nippert, C. E | with Union Grain & Hay Co | Salesman | Rawson Building. |
| 3456 | Nixon, Willard D | with R. G. Dun & Co | Assistant Manager | Ingalls Building. |
| 4201 | Noonan, Thomas H | Continental Line—Cent. States Desp. | General Manager | 902 First National Bank Bldg. |
| 1131 | Nordmeyer, Andrew | Nordmeyer & Berding | Flour, Grain and Mill Feed | 708 Washington st., Cov., Ky. |
| 3992 | Norman, Andrew G | A. G. Norman & Co | Produce Commission | 40 Walnut st. |
| 4409 | O'Dell, William J | O'Dell Commission Co | Grain, Stock and Provisions | 11 E. Third st. |
| 4162 | Orth, Joseph G | Joseph G. Orth & Co | Flour and Feed | 513 Monmouth st., Newport, Ky. |
| 3368 | O'Shaughnessy, P | James Walsh & Co | Distillers | 201 Union Trust Building. |
| 4517 | Ostendorf, Gerhard G | | | |
| 4642 | Ottenheimer, Jacob | Levi & Ottenheimer | Wines and Liquors | 533 Walnut st. |
| 4626 | Owens, Ernest L | | | |
| 1484 | Pape, A. H | | Reporter | Chamber of Commerce. |
| 1673 | Parker, Luther | Cin'ti Ice Mfg. and Cold Storage Co. | | 417 E. Court st. |
| 4598 | Patterson, Louis B | Brown & Patterson | Hay, Grain and Feed | 1521-1527 Eastern ave. |
| 2433 | Pattison, John M | Union Central Life Insurance Co | President | S. E. c. Fourth and Central ave. |
| 3833 | Payne, Henry H | | Stock and Grain Dealer | Camden, O. |
| 1548 | Peabody, W. W | | | Madisonville, O. |
| 3064 | Perin, Lyman, Jr | Perin Brothers | Millers and Flour Dealers | 14-18 E. Front st. |
| 4461 | Perin, Vinton | Perin Brothers | Millers and Flour Dealers | 14-18 E. Front st. |
| 1918 | Perin, Oliver L | Millcreek Distilling Co | General Manager | 639 Evans st. |
| 3923 | *Perkins, William T | | | |
| 4323 | Peter, Emil C | Jacobs Cordage Co | Vice-President | 1205 Budd st. |
| 3565 | Pettibone, James | Pettibone Bros. Manufacturing Co | President | 626-632 Main st. |
| 1922 | Pfiester, Frederick | Butchers Hide Association | Superintendent | 508-514 Poplar st. |
| 4390 | Pfiester, Joseph | The Cincinnati Abattoir Co | Buyer | 3251 Spring Grove ave. |
| 727 | Pine, William | Jason Evans Estate | Agent | 4 Temple Bar. |
| 3558 | Pogue, John F | H. E. Pogue Distilling Co | | 909 First National Bank Bldg. |
| 2981 | Pohlman, G. W | National Insurance Co | President | 1201 First National Bank Bldg. |
| 3088 | Poland, Lawrence | | | 131 E. Fourth st. |
| 2567 | Pollak, Emil | Block-Pollak Iron Co | Iron and Metals | Carthage (P.O. Box 678, Cin'ti, O). |
| 4622 | Poysell, Charles W | The Marmet Coal Co | Manager Wholesale Department | Traction Building. |
| 760 | Pritz, Benjamin | Strauss, Pritz & Co | Distillers and Liquor Dealers | 909 & 911 Sycamore st. |
| 3670 | Pritz, Sidney E | Strauss, Pritz & Co | Distillers and Liquor Dealers | 909 & 911 Sycamore st. |

* Deceased.

MEMBERS OF THE CINCINNATI CHAMBER OF COMMERCE AND MERCHANTS' EXCHANGE.—CONTINUED.

| No. | NAME. | FIRM. | BUSINESS. | LOCATION. |
|---|---|---|---|---|
| 528 | Procter, William A. (Honorary). | The Procter & Gamble Co. | Soap, Candles and Oils | United Bank Building. |
| 2488 | Procter, William Cooper | The Procter & Gamble Co. | Soap, Candles and Oils | United Bank Building. |
| 4196 | Proeser, George | | | |
| 769 | Pullen, Richard T | Herring-Hall-Marvin Safe Co. | Safe and Lock Works | Hamilton, O. |
| 259 | Putnam, B. W. | The Putnam-Hooker Co. | Dry Goods Commission | 212–218 E. Third st. |
| 4482 | Raible, John C. | Eckhardt & Raible | Flour | 933 W. Fifth st. |
| 2938 | Rauh, Frederick | Frederick Rauh & Co. | Insurance | 1202 First National Bank Bldg. |
| 3276 | Rauh, Louis L. | Frederick Rauh & Co. | Insurance | 1202 First National Bank Bldg. |
| 2248 | Raum, John | John Raum & Co. | Pork Packers | 306 & 308 E. Pearl st. |
| 999 | Rawson, Edward | J. Rawson's Sons | Pork Packers | Spring Grove av., nr. Stockyards. |
| 4453 | Ray, William F. | Clifton Springs Distilling Co. | Superintendent | Cumminsville, City. |
| 4646 | Redway, A. J. | A. J. Redway & Co. | Concrete Construction & Insulation. | Mitchell Building. |
| 2752 | Reece, M. M. | | | |
| 4327 | Reichel, George | | Teamsters and Heavy Hauling | 25–29 W. Water st. |
| 213 | Reis, Julius | with Seasongood & Mayer | Bankers | 406 Walnut st. |
| 3243 | Reynolds, Robert R. | Cincinnati Ice Co. (Incorp. 1905) | President | N. W. cor. Race and Canal sts. |
| 1376 | Rheinstrom, Abraham | Rheinstrom Bros. | Wholesale Liquors | Pearl and Martin sts. |
| 1377 | Rheinstrom, Isaac | Rheinstrom Bros. | Wholesale Liquors | Pearl and Martin sts. |
| 3885 | Rheinstrom, Sigmund | Rheinstrom, Bettman, Johnson & Co. | Wholesale Liquors | 906-910 Sycamore st. |
| 4659 | Rice, Charles F. | Rice & Tumey | Grain and Hay | 2717 Colerain ave. |
| 4387 | Richardson, Charles C. | The Haldeman Paper Co. | Manfrs. of Paper (President) | Lockland, O. |
| 4550 | Richter, Herman Edward | Gale Bros. Co. | Hay, Grain and Feed | Third and W. Front sts. |
| 3971 | Rigdon, Harry | | Coal Gauger | Front & Harriet sts. Tel. W-733 |
| 4554 | Riley, Charles W., Jr. | Omaha Packing Co. (Chicago) | Manager, Cincinnati Office | 110 E. Second st. |
| 4136 | Rinearson, William C. | Cin. New Orleans & Texas Pacific Ry. | General Passenger Agent | Ingalls Building. |
| 4563 | Roach, John | | Weigher—Gale Bros. Elevator | Third and W. Front sts. |
| 201 | Roach, P. E. | | | 433 W. Eighth st. |
| 1665 | Robb, J. M. D., *Manager* | Fairbanks, Morse & Co. | Scales, Trucks, etc. | 137 W. Fourth st. |
| 3839 | Robertson, William F. | W. F. Robertson Steel and Iron Co. | Iron and Steel | S. W. cor. Front and Elm sts. |
| 4288 | Robinett, A. L. | P. C. C. & St. L. Ry. Co. | Local Freight Agent | Front and Butler sts. |
| 4086 | Rockel, Charles | | Provisions | 51 Walnut st. |
| 4611 | Rockwell, Clay | Cin'ti, Lebanon & Northern Ry. Co. | General Freight and Passenger Agent | Court st. near Broadway. |
| 4262 | Roeder, Albert | | Flour | 123 E. Liberty st. |
| 4031 | Rogers, William C. | Fairmont Coal Co. | General Manager | 1201 1205 Traction Building. |
| 4112 | Rohan, Andrew | The Andrew Rohan Co. | Commission, Produce | 50 Walnut st. |
| 3989 | Romer, Louis | Romer Bros. | Produce Commission | 1011 Race st. |
| 777 | Root, George A. | Whitcomb & Root | Grain and Hay | 48 Mitchell Building. |
| 3884 | Rosenthal, Myer S. | H. Rosenthal & Sons | Wholesale Liquors | 341 Main st. |
| 4223 | Roth, Charles E. | The John C. Roth Packing Co. | Treasurer | 1010 Gest st. |
| 2028 | Roth, E. N. | | St. Nicholas Hotel | Fourth and Race sts. |
| 4389 | Roth, John G | The John C. Roth Packing Co. | Vice-President | 1010 Gest st. |
| 3569 | Roth, Joseph L. | The John C. Roth Packing Co. | Secretary and Manager | 1010 Gest st. |

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| 3114 | Rothier, F. A. | Eureka Fire and Marine Ins. Co. | President | 121 E. Third st. |
| 4579 | Rothschild, David | D. Rothschild Grain Co. | Grain Commission | Davenport, Ia. |
| 2949 | Rover, August | | | 125 W. McMillan st. |
| 798 | Rowe, Casper H. | Fleischmann & Co. | General Manager | N. W. cor. Plum and Perry sts. |
| 4392 | Rubel, Henry M | The Henry M. Rubel Co. | Whiskies | 229 Race st. |
| 3544 | Rucker, John J. | J. J. Rucker & Co. | General Merchandise | Hebron, Ky. |
| 3471 | Ruhrmann, Otto | De LaVergne Refrig. Mch. Co., N. Y. | General Agent | 811 Neave Building. |
| 4178 | Runck, John F. | J. F. Runck & Co. | Fire Insurance | 1206 First National Bank Bldg. |
| 2980 | Rupp, George | George Rupp & Co. | Pork and Beef Packers | Hamilton, O. |
| 4535 | Rutterer, Frank J. | | Coal and Feed | Cor. Eastern and Strader aves. |
| 4274 | Ryan, Joseph | The Ryan Soap Co. | Manufacturers of Soap | 2641 Spring Grove ave. |
| 224 | Ryan, Mathew | Cincinnati Abattoir Co. | Pork and Beef Packers | 3251 Spring Grove ave. |
| .... | Ryan, Michael (Honorary) | Cincinnati Abattoir Co. | Pork and Beef Packers | 3251 Spring Grove ave. |
| 227 | Ryan, Richard | Cincinnati Provision Export Co. | President and Treasurer | Chamber of Commerce Bldg. |
| 753 | Sadler, L. L | J. F. Sadler & Co. | Live Stock Brokers | Cincinnati Union Stockyards. |
| 1070 | Sander, Adolph | A. Sander Packing Co. | Pork and Beef Packers | 1022 & 1024 Gest st. |
| 4376 | Sander, Armin H | A. Sander Packing Co | Pork and Beef Packers | 1022 & 1024 Gest st. |
| 3811 | Sanders, William C. | The Old "76" Distilling Co. | Vice-President | 9 Masonic Temple. |
| 818 | Sandheger, Christ. | | Wines and Liquors | 123–129 E. Court st. |
| 4381 | Sawtelle, Charles E. | Postal Telegraph Cable Co. | Manager | 23 Fountain Square. |
| 323 | Scarlett, Joseph A. | R. G. Dun & Co. | Mercantile Agency (Manager) | Ingalls Building. |
| 4134 | Schapker, Bernard | B. Schapker & Co. | Provision and Merchandise Brokers | 15 E. Third st. |
| 4180 | Schell, Albert W. | Albert W. Schell & Co. | Fire Insurance | 1410 First National Bank Bldg. |
| 4658 | Schepers, William | | Commission, Grain, Hay, etc. | 2454 W. Sixth st. |
| 680 | Schmidlapp, J. G. | Union Savings Bank and Trust Co. | President | Union Trust Building. |
| 716 | Schmidt, Charles W. | The Sam. W. Weidler Co. | President—Flour and Corn Products | 938 W. Sixth st. |
| 288 | Schmidt, Frederick A. | | Real Estate Agent and Loans | 114 E. Fourth st. |
| 548 | Schmitt, Anthony | A. Schmitt & Co. | Flour and Commission | 850 W. Sixth st. |
| 4532 | Schneider, Charles T. | John Schneider's Son & Co. | Millers and Bakers | 1422 & 1424 Walnut st. |
| 1849 | Schneider, George C. | John Schneider's Son & Co. | Millers and Bakers | 1422 & 1424 Walnut st. |
| 4600 | Schoepf, W. Kesley | The Cincinnati Traction Co. | President and General Manager | Traction Building. |
| 4155 | Schonebaum, Edward | Otto Marmet Coal and Mining Co. | Gen'l Manager, Raymond City, W. Va. | 601–602 Neave Building. |
| 3630 | Schriewer, John | J. Schriewer & Co | Flour, Grain and Mill Feed | Big Four Storage Warehouse. |
| 80 | Schroth, Fred. | J. & F. Schroth Packing Co. | Pork and Beef Packers | Camp Washington, City. |
| 4443 | Schroth, John J. | J. & F. Schroth Packing Co. | Pork and Beef Packers | Camp Washington, City. |
| 966 | Schwartz, Michael | M. Werk Co. | Soap and Candles | 411 Poplar st. |
| 4421 | Schweinefuss, Arnold | Covington Coal Co. | Manager | 5th & Madison sts., Cov'gton, Ky. |
| 3739 | Schwill, Albert, Jr | F. A. Schwill & Son | Bar Glassware and Bottlers' Supplies | 312 Main st. |
| 1259 | Sears, J. M. | Sears Insurance Agency Co. | Fire Insurance | Fosdick Bldg. 41 E. Fourth st. |
| 899 | Seasongood, Adolph J | Seasongood & Mayer. | Bankers | 406 Walnut st. |
| 898 | Seasongood, Lewis. | | | 1101–1102 Union Trust Bldg. |
| .... | Secrist. R. E. | | Public Weigher | Foot of Lawrence st. |
| 4630 | Seely, Orville N. | Kanawha Dispatch Routes. | Agent | 810 Traction Building. |
| 937 | Senior, Edward | A. Senior & Son | Wholesale Liquors | Mitchell Building. |

* Deceased.

MEMBERS OF THE CINCINNATI CHAMBER OF COMMERCE AND MERCHANTS' EXCHANGE.—CONTINUED.

| No. | NAME. | FIRM. | BUSINESS. | LOCATION. |
|---|---|---|---|---|
| 3198 | Senior, Max | A. Senior & Son | Wholesale Liquors | Mitchell Building. |
| 4486 | Settle, W. H. | W. H. Settle & Co | Coal, Flour and Feed | Madisonville, O. |
| 881 | Severet, John Albert | J. A. Severet & Co | Pork and Beef Packers | 32 E. Front st. |
| 4660 | Sexton, William D. | Lockland Milling Co. | Flour Mills | Lockland, Ohio. |
| 3374 | Shields, Joseph | J. Shields & Co | Whisky Brokers | 226 Main st. |
| 790 | Shillito, Stewart | The John Shillito Co | Wholesale and Retail Dry Goods | Race, Seventh and Shillito Place. |
| 1183 | Shinkle, Bradford | The Shinkle-Wilson-Kreis Co | Wholesale Grocers | S. E. cor. Front and Vine sts. |
| 3380 | Shipley, Edward E. | | Insurance | 603 First National Bank Bldg. |
| 500 | Short, F. H | | | 609 Mound st. |
| 3314 | Sicking, J. B. | | Feed Store and Furniture Storage | 1709 Elm st. |
| 2840 | Silverman, Joseph | Joseph Silverman & Co | Wholesale Liquors | 242 Main st. |
| 4661 | Simmons, William M. | Simmons & Norris | Produce Commission | 41 Walnut st. |
| 3384 | Simpson, F. H. | Mutual Benefit Life Insurance Co | District Agent | 31-32 Ingalls Building. |
| 4546 | Simpson, Orville | Straub Machinery Co. | Flour Mill and Distilling Machinery | 1948-1956 W. Sixth st. |
| 2576 | Simpson, William T. | | | 31-32 Ingalls Building. |
| 4322 | Skinner, Edgar C. | Washington Life Insurance Co | General Manager State of Ohio | 604-610 Union Trust Building. |
| 3308 | Skinner, Robert T | | | 2226 Park ave. |
| 2260 | Slimer, George, Jr. | | Live Stock Commission | John and Livingston sts. |
| 3712 | Slusser, William A. | | Provisions | 123 E. Second st. |
| 673 | Smith, Albert E. | A. E. Smith & Co | Commission, Grain | P. O. Box 367. |
| 2429 | Smith, Charles H. | | | United Bank Building. |
| 3379 | Smith, Edwin F. | | | 910 First National Bank Bldg. |
| 2704 | *Smith, Robert J. | | | |
| 2026 | Smyrl, Adam | Adam Smyrl & Co | Commission, Flour | 7 Mitchell Building. |
| 701 | Sohn, J. Edward | The Schaller Brewing Co | President | 1622 Main st. |
| 4540 | Sohngen, Paul L. | | Grain | Hamilton, O. |
| 4200 | Solar, George T. | Central of Ga. Railway Co | Commercial Agent | 531 Union Trust Building. |
| 1732 | Sommers, S | Lindenberg, Strauss & Co | Wholesale Jewelers | 25-29 Carew Building. |
| 4191 | Spills, John F. | with J. & F. Schroth Packing Co | Salesman | Camp Washington, City. |
| 3333 | Spivey, Thomas S. | Victor Safe and Lock Co | President | Ninth and Broadway. |
| 2157 | Sprague, E. T | | Shirt Manufacturer | 7 Wiggins Block. |
| 3616 | Squibb, William P. | W. P. Squibb & Co | Distillers | Lawrenceburg, Ind. |
| 4609 | Starbuck, George B. | | | |
| 1248 | Stearns, Edwin R. | The Stearns & Foster Co | Manfrs. of Wadding and Batting | 114-120 E. Canal st. |
| 4639 | Stein, Sam | with Union Grain & Hay Co | Salesman | Rawson Building. |
| 1707 | Stephens, Charles H. | Stephens, Lincoln & Stephens | Attorneys at Law | 1502 First National Bank Bldg. |
| 2932 | *Stephenson, R. B. | | | |
| 736 | Stern, Jacob | Stern, Frank & Co | Commission, Live Stock | Cincinnati Union Stockyards. |
| 3129 | Stewart, Charles, Jr | with Stearns & Foster Co | Bookkeeper | 114-120 E. Canal st. |
| 4654 | Stix, Aaron L. | Louis Stix & Co | Dry Goods | S. W. cor. 7th & Walnut sts. |
| 280 | Stone, John E. | | Broker, Provisions and Oil | Room C, Chamber of Com. Bldg. |
| 259 | Stone, Thomas B. | T. B. Stone Lumber Co | Hardwood Lumber | 1027-1029 Union Trust Building. |
| 2036 | Storer, Bellamy | | | 115 E. Fourth st. |

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|---|---|---|---|---|
| 3031 | Straus, Henry | | Importer of Cigars | 527 & 529 Vine st. |
| 4527 | Streit, Egmont G | Armour Packing Co. (Kansas City) | Local Agent | 33 Main st. |
| 4485 | Strietmann, Albert P | Geo. H. Strietmann's Sons Co | Wholesale Bakers | S. E. cor. Twelfth and Plum sts. |
| 2886 | Strobridge, Hines | The Strobridge Lithographing Co | President | 108-118 W. Canal st. |
| 3978 | Stueve, Samuel E. E | with Dominick & Dominick | Bankers and Brokers | 333 Walnut st. |
| 4364 | Stueve, William G | Henry W. Brown & Co | Flour and Grain | 842 W. Sixth st. |
| 1036 | Sturm, Simon | | Insurance Agent | 116 E. Third st. |
| 1753 | Sullivan, J. J | J. J. Sullivan & Co | Livery and Undertaking | 421 Central ave. |
| 3571 | Sullivan, John | | Real Estate | 131 E. Fourth st. |
| 3727 | Swift, John B | Eagle White Lead Co | President | 1020-1030 Broadway. |
| 3547 | Swift, Thomas T | Eagle White Lead Co | Superintendent | 1020-1030 Broadway. |
| 371 | Taft, Charles P., *President* | Cincinnati Times-Star Co | | N. E. cor. Sixth and Walnut sts. |
| 4312 | Taylor, Alfred B | Interstate Grain Co | President | 52 Mitchell Building. |
| 3986 | Telker, Hermann | Telker & Dunker | Produce Commission | 118 E. Court st. |
| 4476 | Terrill, Edward B | Early & Daniel Co | Hay and Grain | Covington, Ky. |
| 3757 | Theis, George W | Monong'la Riv. Con. Coal & Coke Co. | Coal | Pittsburgh, Pa. |
| 4318 | Thomas, F. P | Mida's Criterion of Chicago | Local Manager | 1209 First National Bank Bldg. |
| 4633 | Thomas, George W | C. Jutte & Co | Miners and Shippers of Coal | Pittsburg, Pa. |
| 149 | *Thompson, M. D | | | |
| 3250 | Thorner, Justus | S. Obermayer Co | Foundry Supplies | 641 647 Evans st. |
| 3665 | Thurnauer, Charles M | | Investment Securities | 412 First National Bank Bldg. |
| 4589 | Tilghman, Harry E | J. E. Jones & Co | Grain, Provisions and Stocks | 112 Carlisle Building. |
| 4585 | Todd, William S | Interstate Grain Co | | 52 Mitchell Building. |
| 4176 | Toepke, William | | Feed and Coal | Oakley, O. |
| 4332 | Tomlinson, Charles W | B. & O. S-W. R. R. Co | Division Freight Agent | 510 Traction Building. |
| 1698 | Topmoeller, Barney | H. Weber & Co | Feed and Grain | Cumminsville, City. |
| 3367 | Trager, Isidore | I. Trager & Co | Wholesale Liquors | 327 Walnut st. |
| 1515 | Trost, Samuel W | | Cigar Box Manufacturer | 12-16 W. Canal st. |
| 4294 | Trum, August B | The Trum Coal Co | Coal and Coke | Foot of Mill st. |
| 4603 | Tudor, Charles E | The Tudor Boiler Mfg. Co | | 716 E. Pearl st. |
| 1744 | Tudor, Hugh | The Tudor Boiler Mfg. Co | President | 716 E. Pearl st. |
| 4562 | Tuohy, Joseph W | The Marmet-Halm Coal and Coke Co | Traffic Manager | 601-602 Neave Building. |
| 1370 | Tullidge, Frank G | Frank G. Tullidge & Co | Wholesale Liquors | 111 E. Fifth st. |
| 1 | Urner, Henry C. (Honorary) | Little Miami R. R. | Secretary and Treasurer | Fosdick Bldg., 41 E. Fourth st. |
| ... | Vance, John L. (Honorary) | Ohio Valley Improvement Assoc'n | President | 397 E. Broad st., Columbus, O. |
| 889 | Van Cleef, C. M | | | 846 Lexington ave. |
| 3766 | Van Hart, William A | J. Van Hart & Sons | Teamsters and Tanbark Dealers | N. W. cor. Elm and Water sts. |
| 1386 | Van Hise, W. L | | Grain, Live Stock | West Chester, O. |
| 1379 | Van Horn, S. A | | Grain and Hay Commission | Lawrenceburg, Ind. |
| 4555 | Van Leunen, Charles E | The Van Leunen Co | Hay and Grain (Secretary) | Covington, Ky. |

*Deceased.

MEMBERS OF THE CINCINNATI CHAMBER OF COMMERCE AND MERCHANTS' EXCHANGE.—CONTINUED.

| No. | NAME. | FIRM. | BUSINESS. | LOCATION. |
|---|---|---|---|---|
| 770 | Van Leunen, J. W. | The Van Leunen Co | Hay and Grain (President) | Covington, Ky. |
| 771 | Van Leunen, Peter | The Cincinnati Grain Co | Hay and Grain (Manager) | N. E. cor. Walnut and Water sts. |
| 2743 | Van Loo, Leon | | | 945 W. Court st. |
| 958 | Van Nes, Hans | The J. W. Biles Co | Commission, Whisky (President) | 8 & 10 E. Third st. |
| 4525 | Vazeille, E. R. | Seaboard Air Line Railway | Commercial Agent | 604 Mercantile Library Bldg. |
| 763 | Vieth, Frank | The J. H. Hermesch Co | Commission, Hay and Grain | 204 E. Front st. |
| 343 | Vogel, Henry | Goyert & Vogel | Produce Commission | 49 Walnut st. |
| 1108 | *Vogel, Jacob, Sr | | | |
| 1107 | Vogel, Jacob, Jr | Jacob Vogel & Son | Pork Packers | 2604 Colerain ave. |
| 4655 | Vonderahe, George H. Jr | D. Hoppe & Co | Commission Produce | 31 Walnut st. |
| 2269 | Von Holle, Theodore | | Flour and Feed Mills | 1513 & 1515 Harrison ave. |
| 4665 | Voorhees, A. D | S. R. Voorhees & Co | Grain Commission | 12 St. Paul Building. |
| 1866 | Voorhees, S. R | S. R. Voorhees & Co | Grain Commission | 12 St. Paul Building. |
| 3444 | Voorheis, Albert B | Union Savings Bank and Trust Co | Vice-President | Union Trust Building. |
| 2798 | Voss, Henry W | H. W. Voss & Co | Whisky Brokers | N. E. cor. Pearl and Main sts. |
| 3918 | Wachs, William C | German National Bank | Assistant Cashier | N. W. cor. Fourth and Vine sts. |
| 3806 | Wagner, Christopher P | C. P. Wagner & Co | Oils | 126 Sycamore st. |
| 4587 | Walker, John G | Sam. W. Weidler Co | Mfrs. Flour & Commission Products | 938–945 W. Sixth st. |
| 963 | Wallace, James B | | Real Estate and Auctioneer | Room D, Cham. of Com. Bldg. |
| 825 | *Walsh, Dennis F | | | |
| 1887 | Walsh, Nicholas J | James Walsh & Co | Distillers | 201 Union Trust Building. |
| 4590 | Walter, Ivan C | M. H. Alexander Co | Molasses and Syrup (Sec'y & Treas.) | 226–230 E. Front st. |
| 1342 | Ward, George W | George W. Ward & Co | Commission, Cordage, Sheeting, etc. | 224 E. Front st. |
| 2273 | Warth, Marcus | | Transfer and Expressing | 35 W. Pearl st. |
| 278 | Washington, W. H | | Commission, Tallow and Grease | 1312 First National Bank Bldg. |
| 621 | Wasson, B. W | B. W. Wasson & Co | Commission, Grain | 910 First National Bank Bldg. |
| 945 | Weber, Henry | H. Weber & Co | Feed and Grain | Station A., Cumminsville, City. |
| 4618 | Weber, William H | Standard Hay & Grain Co | Hay and Grain | 214 W. Second st. |
| 4614 | Wehry, Henry E | with Cincinnati Grain Co | Grain and Hay | N. E. cor. Walnut and Water sts. |
| 3943 | Weichselfelder, Philipp | with John Schneider's Son & Co | Mill and Bakery | 1422 & 1424 Walnut st. |
| 3963 | Weil, Edward F | Western German Bank | Cashier | Twelfth and Vine sts. |
| 3001 | Weil, Samuel, Jr | S. & M. Weil & Co | Commission, Produce, Fruits, etc | 106 E. Front st. |
| 2437 | Weiskopf, Levi | National Distributing Co | Whiskies (President) | 525–528 Union Trust Building. |
| 866 | Weller, Jacob | The J. Weller Co | Canned Goods, Preserves, Pickles | Spring Grove av., near Alabama. |
| 4334 | Wells, S. Percy | Samuel Wells & Co | Feathers and Ginseng | 211 Vine st. |
| .... | Welply, John W., *Contracting Agt.* | P. C. C. & St. L. Ry. Co | | 42 E. Fourth st. |
| 965 | Werk, Casimer | | | 411 Poplar st. |
| 2287 | Werner, Fred. J | The John Hauck Brewing Co | Secretary | Central ave. and Dayton st. |

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|---|---|---|---|---|
| 4393 | Wess, Bernard H | G. J. Wess & Sons | Grain, Hay, Mill Feed and Coal | Winton Place, Ohio. |
| 1227 | West, Robert H | Long, West & Co | Live Stock Commission | Cincinnati Union Stockyards. |
| 4467 | Westheimer, Leo F | Ferdinand Westheimer & Sons | Distillers | 317 & 319 Main st. |
| 4183 | Westheimer, Morris F | Ferdinand Westheimer & Sons | Distillers | 317 & 319 Main st. |
| 1040 | Wetterer, John | The Wetterer Brewing Co | President | 2125 Central ave. |
| 3044 | Whetstone, H. C | | Coal | Columbia (Station C), City. |
| 3416 | White, Burton R | Canadian Pacific Dispatch | Agent | 23 Carew Building. |
| 1816 | White, John | | Distillers' Agent | Chamber of Commerce. |
| 4261 | White, John | | Grain Commission | 4244 Hamilton ave. |
| 1052 | White, M. M., *President* | Fourth National Bank | | Third and Walnut sts. |
| 2280 | Whittaker, H. S | | Broker, Stocks and Bonds | 323–325 Carlisle Building. |
| 1939 | Wiborg, Frank B | The Ault & Wiborg Co | Printing Inks, etc | 432 New st. |
| 3231 | Wiborg, H. P | Wiborg, Hanna & Co | Poplar and Hardwood Lumber | Cummins st., Fairmount. |
| 3671 | Wiedemann, Charles | George Wiedemann Brewing Co | | Newport, Ky. |
| 2172 | Wieman, B. R | Herman Lackman Brewing Co | Secretary | 823 W. Sixth st. |
| 4531 | Willey, Stephen E | The Willey Mill & Elevator Co | Milling, Grain, Coal, Lumber | Ross, O. |
| 2278 | Williams, A. V | Williams Directory Co | Directory Publishers | 208 Longworth st. |
| 4553 | Williams, Charles E | | Weigher | 910 Broadway. |
| 4207 | Williams, David T | The D. T. Williams Valve Co | Valves and Engineering Specialties | 904–910 Broadway. |
| 4566 | Williamson, E. E | Receivers and Shippers Association | Commissioner | 1216–1217 Union Trust Building. |
| 3468 | Williamson, Lawrence | | | 21 W. Third St., Newport, Ky. |
| 3331 | Willson, William D | | Flour Mills—Dairy Farms | Osgood, Ind. |
| 750 | Wilson, Benjamin C | The Shinkle-Wilson-Kreis Co | Wholesale Grocers | S. E. cor. Front and Vine sts. |
| 749 | Wilson, Charles E | The Shinkle-Wilson-Kreis Co | Wholesale Grocers | S. E. cor. Front and Vine sts. |
| 4647 | Wilson, R. E. Lee | Greenup Milling Co | Millers | Greenup, Ky. |
| 3508 | Windisch, Charles F | Windisch-Muhlhauser Brewing Co | Secretary | Plum and Liberty sts. |
| 4094 | Wing, Charles B | Diem & Wing Paper Co | Paper Dealers | Eighth and Eggleston ave. |
| 4104 | Winterbottom, William J | Cincinnati Transfer Co | | 57–58 Mitchell Building. |
| 4276 | Wise, Ludwig | L. Wise & Bros | Hides, Wool, Furs, etc | 36 Main st. |
| 1964 | Wise, Robert W | Consolidated Boat Store Co | Vice-President | 222 & 224 Public Landing. |
| 2661 | Wisser, Gustav G | | Reporter | Chamber of Commerce. |
| 3555 | Witt, George C | The Witt Cornice Co | President | Eighth and Broadway. |
| 4462 | Wittekind, Abe | The J. W. Biles Co | Whisky Commission | 8 & 10 E. Third st. |
| 1316 | Woesten, John | | Provision Broker | 516 Chamber of Commerce Bldg. |
| 4440 | Wolking, William C | Greendale Distilling Co | Distillers (Secretary and Treasurer) | Lawrenceburg, Ind. |
| 2847 | Wolter, Henry | Henry Wolter & Co | Commission, Grain, Hay, Produce | 47 Walnut st. |
| 3060 | Wood, Albert G | | Grain | 2520 Alms Place. |
| 4511 | Woods, Harry F | The Chatfield & Woods Co | Paper Dealers | 347–351 W. Fourth st. |
| 1470 | Woods, John S | The Chatfield & Woods Co | Paper Dealers | 347–351 W. Fourth st. |
| 4518 | Woodward, James O | | Real Estate and Auctioneer | 39 Wiggins Block. |
| 3609 | Worthington, William | | Attorney at Law | 27 Wiggins Block. |
| 1058 | Wright, Clifford B | First National Bank | Vice-President | S. E. c. Fourth and Walnut sts. |
| 3286 | Wulsin, Drausin | | Attorney at Law | 914 Mercantile Library Bldg. |
| 940 | Wulsin, Lucien | D. H. Baldwin & Co | Pianos and Organs | 142 & 144 W. Fourth st. |

*Deceased.

MEMBERS OF THE CINCINNATI CHAMBER OF COMMERCE AND MERCHANTS' EXCHANGE.—CONTINUED.

| No. | NAME. | FIRM. | BUSINESS. | LOCATION. |
|---|---|---|---|---|
| 4369 | Wunker, William | Henry Wunker & Son | Feed and Coal | Carthage, O. |
| 3451 | Wyler, Louis | Wyler, Ackerland & Co | Wholesale Clothing | 308–312 Elm st. |
| 2568 | Wymond, Randall J | Samuel Wymond Cooperage Co | | Aurora, Ind. |
| 4241 | Zeckendorf, Alois | Fleischmann & Co | Superintendent | Riverside, City. |
| 2594 | Zehler, George | The Geo. Zehler Provision Co | Provisions and Lard | 1705 Logan st. |
| 3568 | Ziegle, Louis E | The John Van Range Co | President | S. W. cor. Fifth and Broadway. |
| 218 | Zimmerman, Eugene | Detroit, Toledo & Ironton R. R | President | Toledo, Ohio. |

# HONORARY MEMBERS.

| Names. | When Elected |
|---|---|
| HENRY PROBASCO* | 1871 |
| MILES GREENWOOD* | 1873 |
| JOHN H. GERARD* | 1874 |
| DAVID SINTON* | 1875 |
| REUBEN R. SPRINGER* | 1876 |
| JAMES F. TORRENCE* | 1877 |
| GEORGE GRAHAM* | 1878 |
| CHARLES W. WEST* | 1879 |
| WILLIAM PROCTER* | 1880 |
| JOSEPH LONGWORTH* | 1881 |
| JOHN SHERMAN* | 1883 |
| WILLIAM GLENN* | 1884 |
| GEORGE H. PENDLETON* | 1886 |
| JOSEPH RAWSON* | 1887 |
| HENRY C. URNER | 1888 |
| SAMUEL F. COVINGTON* | 1889 |
| JOHN A. GANO* | 1890 |
| CHARLES DAVIS.* | 1891 |
| JOHN KENNETT* | 1892 |
| RICHARD SMITH* | 1893 |
| JULIUS FREIBERG* | 1894 |
| A. E. ARMSTRONG* | 1895 |
| DAVID GIBSON* | 1895 |
| REUBEN A. HOLDEN* | 1897 |
| PARIS C. BROWN | 1898 |
| WILLIAM A. PROCTER | 1899 |
| MICHAEL RYAN | 1900 |
| GROVE J. PENNEY* | 1901 |
| H. WILSON BROWN | 1903 |
| JOHN L. VANCE | 1904 |
| WILLIAM H. TAFT | 1904 |
| CHARLES B. MURRAY | 1906 |

## *Died.

| | | |
|---|---|---|
| JOHN H. GERARD | February | 10, 1876 |
| GEORGE GRAHAM | March | 1, 1881 |
| JOSEPH LONGWORTH | December | 30, 1883 |
| WILLIAM PROCTER | April | 4, 1884 |
| CHARLES W. WEST | September | 21, 1884 |
| REUBEN R. SPRINGER | December | 10, 1884 |
| MILES GREENWOOD | November | 6, 1885 |
| WILLIAM GLENN | July | 17, 1887 |
| JAMES F. TORRENCE | September | 28, 1887 |
| GEORGE H. PENDLETON | November | 24, 1889 |
| SAMUEL F. COVINGTON | December | 26, 1889 |
| JOSEPH RAWSON | November | 15, 1891 |
| DAVID GIBSON | February | 7, 1897 |
| JOHN A. GANO | January | 15, 1898 |
| RICHARD SMITH | April | 22, 1898 |
| JOHN KENNETT | December | 12, 1898 |
| CHARLES DAVIS | October | 15, 1899 |
| REUBEN A. HOLDEN | May | 16, 1900 |
| DAVID SINTON | August | 31, 1900 |
| JOHN SHERMAN | October | 22, 1900 |
| HENRY PROBASCO | October | 26, 1902 |
| A. E. ARMSTRONG | April | 23, 1905 |
| GROVE J. PENNEY | June | 28, 1905 |
| JULIUS FREIBERG | December | 7, 1905 |

# In Memoriam.

| | | | | |
|---|---|---|---|---|
| WILLIAM N. TALLANT, | Aged 49. | Died | January | 17, 1905 |
| GOTTLIEB MUHLHAUSER, | " 69. | " | February | 9, 1905 |
| HENRY HEILE, | " 71. | " | February | 25, 1905 |
| G. H. VONDERAHE, | " 72. | " | March | 2, 1905 |
| FERDINAND JELKE, | " 75. | " | March | 18, 1905 |
| JULIUS PFLEGER, | " 61. | " | April | 2, 1905 |
| JOHN N. WOOLISCROFT, | " 58. | " | April | 15, 1905 |
| CHARLES M. BROWER, | " 39. | " | April | 20, 1905 |
| A. E. ARMSTRONG, | " 90. | " | April | 23, 1905 |
| W. C. JUTTE, | " 46. | " | May | 25, 1905 |
| DENNIS F. WALSH, | " 47. | " | June | 13, 1905 |
| GROVE J. PENNEY, | " 86. | " | June | 28, 1905 |
| ROBERT J. SMITH, | " 61. | " | August | 16, 1905 |
| VAL P. COLLINS, | " 68. | " | August | 18, 1905 |
| SAMUEL BORN, | " 75. | " | September | 9, 1905 |
| JOHN L. HITE, | " 62. | " | September | 14, 1905 |
| ALBERT LEVY, | " 81. | " | October | 8, 1905 |
| JOHN BYRNE, | " 55. | " | October | 31, 1905 |
| THOMAS G. SMITH, | " 43. | " | November | 20, 1905 |
| LEVIN BELT PERIN, | " 38. | " | November | 25, 1905 |
| JULIUS FREIBERG, | " 83. | " | December | 7, 1905 |

# CLASSIFIED BUSINESS DIRECTORY

OF THE

# DIFFERENT LINES OF BUSINESS AND INDUSTRIES

REPRESENTED IN THE MEMBERSHIP OF THE CHAMBER OF COMMERCE.

MAY 1, 1906.

## ACCOUNTANT (EXAMINING).

| | | |
|---|---|---|
| Guy H. Kennedy | Goodloe & Kennedy | 403-404 Traction Building. |

## ATTORNEYS AT LAW.

| | | |
|---|---|---|
| Albert Bettinger | | 41 Atlas Bank Building. |
| J. H. Bromwell | Bromwell & Bruce | 16 Masonic Temple. |
| Howard Douglass | | 141 E. Fourth st. |
| Herman P. Goebel | | 910 Mercantile Lib. Bldg. |
| Frank J. Jones | | Fosdick Bldg., 41 E. 4th st. |
| Clifford E. Nadaud | | Chamber of Commerce. |
| Charles H. Stephens | Stephens, Lincoln & Stephens | 1502 First Nat'l Bank Bldg. |
| Bellamy Storer | | 115 E. Fourth st. |
| William Worthington | | 27 Wiggins Block. |
| Drausin Wulsin | | Mercantile Library Bldg. |

## AUTOMOBILES.

| | | |
|---|---|---|
| Robert C. Crowthers | | 130 E. Ninth st. |
| D. T. Williams Valve Co. | | 904-910 Broadway. |

## BAKERS.

| | | |
|---|---|---|
| National Biscuit Co. | Langdon Branch | 327 Lock st. |
| National Biscuit Co. | Muth Branch | 411-419 Richmond st. |
| Kroger Grocery and Baking Co | | 521 Reading Road. |
| John Schneider's Son & Co. | | 1426 Walnut st. |
| Geo. H. Strietmann's Sons Co. | | S. E. cor. 12th & Plum sts. |

## BANKS AND TRUST COMPANIES.

| | |
|---|---|
| First National Bank | S. E. cor. 4th & Walnut sts. |
| Third National Bank | 14-18 W. Fourth st. |
| Fourth National Bank | N. E. cor. 3d & Walnut sts. |
| Fifth National Bank | S. W. cor. 4th & Vine sts. |
| Atlas National Bank | 518 Walnut st. |
| Citizens' National Bank | S. E. cor. 3d & Walnut sts. |
| German National Bank | N. W. cor. 4th & Vine sts. |
| Market National Bank | N. W. cor. 4th & Plum sts. |
| Merchants' National Bank | Ingalls Building. |
| Brighton German Bank | Harrison & Colerain aves. |
| City Hall Bank | N. E. cor 7th & Central ave. |
| Franklin Bank | 122 E. Third st. |
| S. Kuhn & Sons | 24 E. Third st. |
| Western German Bank | Twelfth and Vine sts. |
| Central Trust and Safe Deposit Co. | 113 & 115 E. Fourth st. |
| Covington Savings Bank and Trust Co. | Covington, Ky. |
| Provident Savings Bank and Trust Co. | N. W. cor. Vine & Baker sts. |
| Union Savings Bank and Trust Co. | Union Trust Building. |
| Guarantee Title and Trust Co. | S. E. cor. Court & Main sts. |

## BANKERS AND BROKERS.—BONDS, STOCKS, INVESTMENT SECURITIES.

Dominick & Dominick.....333 Walnut st.
P. J. Goodhart & Co.....First National Bank Bldg.
William E. Hutton & Co.....First National Bank Bldg.
Irwin, Ballmann & Co.....330 Walnut st.
Rudolph Kleybolte & Co.....S. E. cor. 4th & Walnut sts.
E. N. Laraldé.....112 E. Third st.
A. A. Lisman & Co.....25 Broad st., New York.
Charles C. Murray.....405 Union Trust Building.
Seasongood & Mayer.....406 Walnut st.
Charles M. Thurnauer.....412 First Nat'l Bank Bldg.

## BROKERS.—NEW YORK STOCKS, GRAIN, PROVISIONS

Foster & Co.....First National Bank Bldg.
E. S. Frazer.....Chamber of Commerce.
Harry E. Frazer.....Chamber of Commerce.
James K. & John C. Morrison.....Chamber of Commerce.
Geo. P. Muhlhauser.....1167 Harrison ave.
O'Dell Commission Co.....11 E. Third st.
Phoenix Grain and Stock Exchange.....24-26 E. Fourth st.
M. D. Thompson.....Chamber of Commerce.
Harry E. Tilghman (J. E. Jones & Co.).....112 Carlisle Building.
H. S. Whittaker.....323 Carlisle Building.

## BROKERS.—MISCELLANEOUS.

W. W. Blair & Co.....Merchandise.....119 E. Second st.
Gruner & Beckwith.....Merchandise & Manufacturers' Agts..25 & 27 W. Second st.
Hurford & Pursell.....Merchandise.....506 Chamber of Com. Bldg.
William G. Irwin.....Merchandise.....9 East Third st.
Edward T. Klum.....Merchandise.....11 E. Second st.
Bernard Schapker & Co.....Merchandise.....15 E. Third st.

## BOILERS AND TANKS.

Tudor Boiler Mfg. Co.....716 E. Pearl st.

## BOOTS AND SHOES.

Alter, McCaffrey Co.....Manufacturers.....416 E. Eighth st.
Forwood Shoe Co.....Manufacturers.....22 W. Third st.

## BREWERS.

Henry Adam.....Camp Washington, City.
Bruckmann Brewing Co.....Cumminsville, City.
Foss-Schneider Brewing Co.....943 Freeman ave.
Gambrinus Stock Co.....Sycamore and Abigail sts.
Gerke Brewing Co.....Plum and Canal sts.
Wm. Gerst Brewing Co.....Nashville, Tenn.
John Hauck Brewing Co.....Central ave. & Dayton st.
Jung Brewing Co.....2011 Freeman ave.
Herman Lackman Brewing Co.....823 W. Sixth st.
Christian Moerlein Brewing Co.....2019 & 2021 Elm st.
Schaller Brewing Co.....1622 Main st.
J. Walker Brewing Co.....1125 Sycamore st.
Wetterer Brewing Co.....2125 Central ave.
George Wiedemann Brewing Co.....Newport, Ky.
Windisch-Muhlhauser Brewing Co.....Plum and Liberty sts.

## BUTCHERS' SUPPLIES.

C. Schmidt & Co.....John and Livingston sts.

## CANDLES.

Emery Candle Co.....Mercantile Library Bldg.
Proctor & Gamble Co. (Ivorydale, O.).....United Bank Bldg., Cin'ti.
Standard Oil Co.....105 East Pearl st.

## CHEMICALS.

Alex. Fries & Bro.....312-316 E. Second st.
Globe Chemical Co.....Deer Creek, nr. Court st.

## CIGARS AND TOBACCO.

| | | |
|---|---|---|
| A. B. Aulick | Leaf Tobacco | Falmouth, Ky. |
| James N. Boyd | Leaf Tobacco | Richmond, Va. |
| John C. Davis | Cigars | 412 Vine st. |
| W. H. Lewis & Co | Leaf Tobacco | 19 W. Front st. |
| Henry Straus | Cigars | 527 & 529 Vine st. |

## CLOTHING.—MANUFACTURERS AND DEALERS.

| | | |
|---|---|---|
| Abe Bloch & Co | | 810 Main st. |
| Fabian Manufacturing Co | Ladies' Skirts | Pugh Building. |
| Menderson Clothing Co | | 409 Com'l-Tribune Bldg. |
| Moch, Berman & Co | | S. W. c. Elm & McFarland sts. |
| Wyler, Ackerland & Co | | 308–312 Elm st. |

## CLOTHING.—MERCHANT TAILORS.

| | |
|---|---|
| Henry F. Blase | 534 Madison ave., Cov., Ky. |
| E. Hart & Co | Power Bldg., 8th & Sycamore. |

## COAL.

| | |
|---|---|
| C. G. Blake & Co | First National Bank Bldg. |
| August Benninghofen | Hamilton, O. |
| Big Hill Coal Co | 912–913 Union Trust Bldg. |
| W. H. Brown's Sons | Front and Lawrence sts. |
| A. R. Budd Coal Co | Conestoga Bldg., Pittsburgh, Pa. |
| Campbell's Creek Coal Co | 311 Mercantile Lib. Bldg. |
| Carbon Fuel Co | 1005 First Nat'l Bank Bldg. |
| Castner, Curran & Bullitt | 101–102 Neave Building. |
| Clyde Coal Co | Pittsburgh, Pa. |
| Consolidated Coal and Mining Co | 8 Mitchell Building. |
| Covington Coal Co | Covington, Ky. |
| Curran Coal Co | 1008 Mercantile Lib. Bldg. |
| Frederick Drucker | Home City, O. |
| Fairmont Coal Co | Traction Building. |
| Flint & Co | Pittsburgh, Pa. |
| Guyan Valley Fuel Co | Huntington, W. Va. |
| T. J. Hall & Co | Foot of Lawrence st. |
| G. M. Halm & Co | Neave Building. |
| Hatfield Coal Co | Covington, Ky. |
| John T. Hesser & Co | 802 Neave Building. |
| A. Hill & Sons | Aurora, Ind. |
| Hinsch Coal and Coke Co | 719 W. Front st. |
| W. M. Hubbell, Jr | Foot of Race st. |
| C. Jutte & Co | Pittsburgh, Pa. |
| Kanawha Coal and Coke Co | 605 First Nat'l Bank Bldg. |
| Kroger Coal and Coke Co | 34 Mitchell Building. |
| Luhrig Coal Co | N. E. cor. 4th & Plum sts. |
| Albert J. Manthey | Carthage, Ohio. |
| Marmet Coal Co | Central ave. & Water st. |
| Marmet-Halm Coal and Coke Co | 601–602 Neave Building. |
| Otto Marmet Coal and Mining Co. (Raymond City, W. Va.) | 601–602 Neave Building. |
| Monongahela River Consolidated Coal and Coke Co | S. E. c. Front & Lawrence. |
| Mount Carbon Co. (Limited) | Powellton, W. Va. |
| John Mueller | Lockland, O. |
| New River Consolidated Coal and Coke Co | 142 Ingalls Building. |
| S. J. Patterson (Dayton, O.) | 1499 Eastern ave., Cin'ti. |
| Pittsburgh Coal Co | 334 W. Fourth st. |
| Pittsburgh and Buffalo Co | Frick Bldg., Pittsburgh, Pa. |
| Queen City Coal Co | Foot of Freeman ave. |
| Frank J. Rutterer | 3401 Eastern ave. |
| W. H. Settle | Madisonville, O. |
| Smokeless Fuel Co | 132 Ingalls Building. |
| Trum Coal Co | Foot of Mill st. |
| H. C. Whetstone | Station C, Columbia, City. |
| Winifrede Coal Co | 1527 Union Trust Bldg. |

## COAL GAUGERS.

Winfield S. Carr.....S. E. c. Front & Lawrence.
Harry Rigdon.....Front and Harriet sts.

## CONTRACTORS.—CARPENTERS, BUILDERS, PAINTERS, PLUMBERS, ETC.

Henry Behrens & Co.....Builders.....15 E. Baker st.
M. Marcus Building Co.....Builders.....1513–1521 Plum st.
Murdock Plumbing Co.....Plumbers.....343 W. Fourth st.
A. J. Redway & Co.....Concrete Construction.....Mitchell Building.

## COOPERAGE AND COOPERS' STUFF.

Bauer Cooperage Co.....Lawrenceburg, Ind.
Cincinnati Cooperage Co.....Riverside, Cincinnati, O.
Hauser, Brenner & Fath Co.....2129 McLean ave.
P. Hoban.....Nicholas J. Hoban, Manager...Race and Water sts.
Samuel Wymond Cooperage Co.....Aurora, Ind.

## CORDAGE—ROPE, ETC.

Jacobs Cordage Co.....1205 Budd st.
Geo. W. Ward & Co.....224 E. Front st.

## DISTILLERS AND LIQUOR DEALERS.

J. W. Biles Co.....8 & 10 E. Third st.
W. C. Biles & Co.....313 Vine st.
Elias Block & Sons.....511 Union Trust Building.
Leon Block & Co.....S. W. cor. 3d & Walnut sts.
Clarkson & Clarkson.....32 Carew Building.
Clifton Springs Distilling Co.....Cumminsville, City.
H. F. Corbin & Co.....425 E. Pearl st.
J. Debar & Co.....38 Vine st.
M. Dernham & Son.....243 Main st.
Diamond Distilleries Co.....417 E. Pearl st.
Distillery Co. No. 2.....Milldale, Ky.
M. Durner & Co.....219 E. Third st.
Fleischmann & Co.....Plum and Perry sts.
J. & A. Freiberg.....206 E Front st.
Freiberg & Kahn.....52 Main st.
Freiberg & Workum.....216–220 Public Landing.
Sig. & Sol. H. Freiberg.....424–426 W. Fourth st.
Furst Bros.....122 E. Seventh st.
G. & B. Gerdes Co.....60 Main st.
Greendale Distilling Co.....Lawrenceburg, Ind.
A Guckenheimer & Bros.....37 St. Paul Building.
Hayes Valley Distilling Co.....Levingood, Ky.
George Herzog & Co.....30 Main st.
Hoffheimer Bros. Co.....123 & 125 Sycamore st.
Indiana Distilling Co.....Terre Haute, Ind.
W. W. Johnson & Co.....120 Sycamore st.
Klein Bros.....214 E. Eighth st.
Levi & Ottenheimer.....533 Walnut st.
James Levy & Bro.....307–309 Traction Building.
Live Oak Distilling Co.....N. E. cor. 9th & Broadway.
Mayer Bros. Co.....S. W. cor. Pearl & Walnut.
Mihalovitch, Fletcher Co.....514–518 E. Pearl st.
Millcreek Distilling Co.....621 Evans st.
National Distributing Co.....525–528 Union Trust Bldg.
Old "76" Distilling Co.....9 Masonic Temple.
Peacock Distilling Co.....123 E. Third st.
H. E. Pogue Distilling Co.....909 First Nat'l Bank Bldg.
Rheinstrom, Bettman, Johnson & Co.....906–910 Sycamore st.
Rheinstrom Bros.....Pearl and Martin sts.
H. Rosenthal & Sons.....341 Main st.

Henry M. Rubel Co. ..... 229 Race st.
Christ. Sandheger ..... 123–129 E. Court st.
A. Senior & Son ..... Mitchell Building.
J. Shields & Co. ..... 226 Main st.
Joseph Silvermann & Co. ..... 242 Main st.
W. P. Squibb & Co. ..... Lawrenceburg, Ind.
Star Distillery Co ..... 529 & 531 Walnut st.
Strauss, Pritz & Co. ..... 909 & 911 Sycamore st.
Sunnyside Distilling Co. ..... 344 W. Fourth st.
Terre Haute Distilling Co. ..... Terre Haute, Ind.
I. Trager & Co. ..... 327 Walnut st.
F. G. Tullidge & Co ..... 111 E. Fifth st.
Union Distilling Co ..... 1010 Richmond st.
H. Van Nes Export Co ..... 8 & 10 E. Third st.
H. W. Voss & Co ..... N. E. cor. Pearl & Main sts.
James Walsh & Co ..... 201 Union Trust Building.
Ferdinand Westheimer & Sons ..... 317 & 319 Main st.
John White ..... Chamber of Commerce.
White Oak Distillery Co ..... 858 W. Sixth st.

## DRY GOODS AND DEPARTMENT STORES.

Alms & Doepke Co ..... Main and Canal sts.
J. H. Hibben Dry Goods Co ..... N. E. cor. 7th & Walnut sts.
Putnam, Hooker Co ..... 212–218 E. Third st.
John Shillito Co ..... Race, 7th & Shillito Place.
Louis Stix & Co ..... S. W. c. 7th & Walnut sts.

## ELEVATORS.

James H. Curran Elevator Co ..... 114 W. Second st.
Warner Elevator Mfg. Co ..... 2613 Spring Grove ave.

## FEATHERS—CURLED HAIR.

P. R. Mitchell Co ..... Harrison & Spring Grove aves.
Samuel Wells & Co ..... 211 Vine st.

## FLOUR DEALERS.

Allen & Munson ..... 910 First Nat'l Bank Bldg.
Frederick A. Brauer ..... 852 W. Sixth st.
Henry W. Brown & Co ..... 842 W. Sixth st.
Dair Bros. ..... Millers ..... Harrison, O.
The Dorsel Company ..... Millers ..... Newport, Ky.
J. H. Dunholter & Co ..... 55 Walnut st.
Eckhardt & Raible ..... 933 W. Fifth st.
John H. Fedders & Sons ..... Covington, Ky.
Felss Flour Milling Co ..... Millers ..... N. W. c. 3d & Baymiller sts.
Ben. Ficker ..... 11 Jordan st.
Foulds Milling Co ..... Millers ..... 1225 Budd st.
Gale Brothers Co ..... Third & W. Front sts.
Greenup Milling Co. (R. E. Lee Wilson) ..... Millers ..... Greenup, Ky.
Heid & Koss ..... 305 Vine st.
D. Hoppe & Co ..... 31 Walnut st.
Kiewit & Frederick ..... Millers ..... Harrison, Ohio.
Charles E. Knaul ..... 517 Cham. of Com. Bldg.
Lawrenceburg Roller Mills Co ..... Millers ..... Lawrenceburg, Ind.
Lockland Milling Co ..... Millers ..... Lockland, O.
McCoy Bros ..... Millers ..... Liberty, Ind.
Clifford E. Nadaud ..... Chamber of Commerce.
Henry Nagel & Son ..... Millers ..... 2168 McLean ave.
Nordmeyer & Berding ..... Millers ..... Covington, Ky.
Joseph G. Orth & Co ..... Newport, Ky.
Perin Bros ..... Millers ..... 14–18 E. Front st.
Albert Roeder ..... 123 E. Liberty st.
A. Schmitt & Co ..... 850 W. Sixth st.
John Schneider's Son & Co ..... Millers ..... 1422 & 1424 Walnut st.
John Schriewer & Co ..... Pearl and Plum sts.
Adam Smyrl & Co ..... 7 Mitchell Building.
Theodore Von Holle & Son ..... Millers ..... 1515 Harrison ave.
H. Weber & Co ..... Cumminsville, City.
Sam. W. Weidler Co ..... Millers ..... 938 W. Sixth st.

FLOUR DEALERS—CONTINUED.

| | | |
|---|---|---|
| Wm. D. Willson | Miller | Osgood, Ind. |
| Willey Mill and Elevator Co | Millers | Ross, O. |
| Henry Wolter & Co | | 47 Walnut st. |
| George F. Munson | Flour Inspector | Chamber of Commerce. |

## FURNACES—STOVES—RANGES.

| | | |
|---|---|---|
| Estate Stove Co | Stoves and Ranges | Hamilton, O. |
| John Van Range Co | | S. W. cor. 5th & Broadway. |
| Peck-Williamson Co | | 335 W. Fifth st. |

## FURNITURE.

| | |
|---|---|
| Hartwell Furniture Co | 121 W. Fourth st. |

## GLASSWARE.

| | | |
|---|---|---|
| Hemingray Glass Co | Manufacturers | Covington, Ky. |
| F. A. Schwill & Son | Jobbers | 312 Main st. |

## GRAIN—HAY—FEED.

| | |
|---|---|
| Allen & Munson | 910 First Nat'l Bank Bldg. |
| P. Andrew & Co | 901 & 903 E. Front st. |
| A. B. Aulick | Falmouth, Ky. |
| Andrew Bender | 506 Cham. of Com. Bldg. |
| Max Blumenthal | 7 Mitchell Building. |
| Harry J. Borgmann | 1211 W. Sixth st. |
| Braun & Kipp | Sixth and Evans sts. |
| W. G. Brossenne | Covington, Ky. |
| Brown & Patterson | 1521-1527 Eastern ave. |
| Barney Bunke | Fairmount, City. |
| H. N. Christy | Room D, Cham. of Com. Bldg. |
| Cincinnati Grain Co | N. E. c. Walnut & Water sts. |
| Collins & Co | 222 W. Fourth st. |
| Corryville Feed Co | 2355 Vine st. |
| Dewey Bros. Company | Blanchester, O. |
| Dickmeier Bros | 3710 Spring Grove ave. |
| Albert Dill | Mason, Ohio. |
| F. O. Diver Grain Co | Middletown, Ohio. |
| The Dorsel Company, | Newport, Ky. |
| R. A. Dykins & Co | Chamber of Commerce. |
| Early & Daniel Co | Sixth and Harriet sts. |
| F. W. Elberg | Elmwood Place, O. |
| Ellis & Fleming | 512 Cham. of Com. Bldg. |
| Frederick L. Emmert | 1924 Pleasant st. |
| John H. Fedders & Sons | Covington, Ky. |
| J. W. Fisher & Co | 116 & 118 E. Water st. |
| R. G. Frederick (Kiewit & Frederick) | Harrison, O. |
| Gale Bros Co | Third & W. Front sts. |
| Goemann Grain Co | Spitzer Bldg., Toledo, O. |
| Henry J. Good & Co | Sixth & Carr sts. |
| E. A. Grubbs Grain Co | Greenville, O. |
| H. W. Hamann & Co | Harrison ave. & B. & O. S-W. R.R. |
| G. Hehman & Son | 131 & 133 E. Water st. |
| J. H. Hermesch Co | 204 E. Front st. |
| Henry Herzog & Co | S. W. cor. Main & Water sts. |
| Joseph Heuermann | Court and Broadway. |
| D. Hoppe & Co | 31 Walnut st. |
| Harry W. Howard | Gano, Butler Co., Ohio. |
| Interstate Grain Co | 52 Mitchell Building. |
| George Keller | Newport, Ky. |
| Charles E. Knaul | 517 Cham. of Com. Bldg. |
| Edward G. Koehl | Reading, O. |
| Wm. H. Kramer | 1110 Sycamore st. |
| Kyle & Williamson | Kyle's, O. |
| John B. Lampe | Carthage, O. |
| Loudon & Co | Room D, Cham. of Com. |

| | |
|---|---|
| Maguire & Co. | 52 Mitchell Building. |
| Albert J. Manthey | Carthage, Ohio. |
| J. V. Metzger & Co. | 307 Johston Building. |
| Joseph G. Orth & Co | Newport, Ky. |
| Patterson & Evans | 52 Vine st. |
| H. H. Payne | Camden, O. |
| Perin Bros. | 14–18 E. Front st. |
| Queen City Grain Co. | 217–218 Carlisle Building. |
| Rice & Tumey | 2717 Colerain ave. |
| D. Rothschild Grain Co. | Davenport, Iowa. |
| J. J. Rucker & Co. | Hebron, Ky. |
| William Schepers | 2454 W. Sixth st. |
| John Schriewer & Co. | Pearl and Plum sts. |
| Shollenbarger & Fisher | Collinsville, Butler Co., O. |
| J. B. Sicking | 1709 Elm st. |
| Adam Smyrl & Co. | 7 Mitchell Building. |
| Paul L. Sohngen | Hamilton, Ohio. |
| Southern Grain Co. | Hopkins st. & President Pl. |
| Standard Hay & Grain Co. | 214 W. Second st. |
| Wm. Toepke | Oakley, O. |
| Union Grain and Hay Co. | Rawson Building. |
| W. L. Van Hise | West Chester,O. |
| S. A. Van Horn | Lawrenceburg, Ind. |
| Van Leunen Co. | Covington, Ky. |
| S. R. Voorhees | 12 St. Paul Building. |
| B. W. Wasson & Co. | 910 First Nat'l Bank Bldg. |
| H. Weber & Co. | Cumminsville, City. |
| Sam. W. Weidler Co. | 938 W. Sixth st. |
| G. J. Wess & Sons | Winton Place, Ohio. |
| Whitcomb & Root | 48 Mitchell Building. |
| John White | 4244 Hamilton ave. |
| Willey Mill and Elevator Co. | Ross, O. |
| Henry Wolter & Co. | 47 Walnut st. |
| Albert G. Wood | 2520 Alms Place. |
| Henry Wunker & Son | Carthage, O. |
| Homer Chisman.....Chief Grain and Hay Inspector | 1236 W. 6th & Cham. of Com. |

## GRAIN ELEVATORS.

| | |
|---|---|
| Big Four Grain Elevator | Harriet st. & Big Four Ry. |
| Brown & Patterson | 1521–1527 Eastern ave. |
| Canal Elevator and Warehouse Co. | Court and Broadway. |
| Cincinnati Elevator Co. | 932 W. Fifth st. |
| Cincinnati Grain Co. (Latonia, Ky.) | Walnut and Water sts. |
| Dickmeier Bros. | 3704 Spring Grove ave. |
| Early & Daniel Co | Sixth and Harriet sts. |
| Gale Bros. Co. | Third and W. Front sts. |
| Henry J. Good & Co | Sixth and Carr sts. |
| Southern Grain Co | Hopkins st. & President Pl. |
| Standard Hay & Grain Co. (Latonia, Ky.) | 214 W. Second st. |
| Union Grain and Hay Co. | Rawson Building. |
| H. Weber & Co. | Cumminsville, City. |

## GROCERIES.—COFFEES, TEAS, SPICES, SUGAR, ETC.

| | | |
|---|---|---|
| M. H. Alexander Co. | Molasses | 226–230 E. Front st. |
| Consolidated Boat Store Co. | | 222 Public Landing. |
| Great China Tea Co. (Block Bros.) | | 11 Vine st. |
| S. T. Griffiths & Bro. | | 534 Walnut st. |
| W. H. Harrison & Co. | Spice Mills | 17 E. Second st. |
| James Heekin Co. | Coffees and Spices | N.W.c. Walnut & Water sts. |
| R. A. Holden & Co | Dried Fruits | 46 Main st. |
| A Janszen & Co. | | S. E. cor. 2d & Walnut sts. |
| J. C. Kerr & Co. | | 26 W. Second st. |
| Kroger Grocery and Baking Co. | | 521 Reading Road. |
| James Mahoney | | 232 Broadway. |
| Minor & Dixon Co. | | 212 & 214 Vine st. |
| Shinkle, Wilson & Kreis Co. | | S. E. cor. Front & Vine sts. |

## HOTELS—RESTAURANTS.

| | | |
|---|---|---|
| Burnet House | T. J. Cullen, Manager | Third and Vine sts. |
| St. Nicholas Hotel | E. N. Roth, Proprietor | Fourth and Race sts. |

## ICE—COLD STORAGE.

| | |
|---|---|
| Cincinnati Ice Co. (Incorp. 1905) | N. W. cor. Race & Canal. |
| Cincinnati Ice Mfg. and Cold Storage Co | 417 E. Court st. |
| Ice Delivery Company | N. W. cor. Race & Canal. |

## INSURANCE (FIRE).

### HOME COMPANIES.

| | |
|---|---|
| Cincinnati Equitable Ins. Co | 38 E. Third st. |
| Eureka Fire and Marine Ins. Co | 121 E. Third st. |
| Merchants' and Manufacturers' Ins. Co | 404 First Nat'l Bank Bldg. |
| National Insurance Co | 1201 First Nat'l Bank Bldg. |
| Security Insurance Co | 121 E Third st. |

### AGENCIES.

| | |
|---|---|
| J. M. DeCamp | S. W. cor. 3d & Main sts. |
| P. R. Fortney | Masonic Temple. |
| Gray, Dolle & Latta | 96 & 97 Ingalls Building. |
| Jones, Montgomery & Haass | 704–705 Traction Building. |
| Geo. W. Neare, Gibbs & Co | 516 Union Trust Building. |
| C. Gordon Neff & Co | 115 E. Third st. |
| Frederick Rauh & Co | 1202 First Nat'l Bank Bldg. |
| J. F. Runck & Co | 1206 First Nat'l Bank Bldg. |
| Albert W. Schell & Co | 1410 First Nat'l Bank Bldg. |
| Sears' Insurance Agency | Fosdick Bldg. 41 E. 4th st. |
| Edward E. Shipley | 603 First Nat'l Bank Bldg. |
| Simon Sturm | 116 E. Third st. |

### SOLICITORS.

| | |
|---|---|
| James Dillaby | 1201 First Nat'l Bank Bldg. |
| Edward C. Hill | 404 First Nat'l Bank Bldg. |

## INSURANCE (LIFE).

### HOME COMPANIES.

| | | |
|---|---|---|
| Union Central Life Ins. Co. of Cin'ti. | John M. Pattison, President | S. E. cor. 4th & Central ave. |

### AGENCIES.

| | |
|---|---|
| Sol. Bloch—Union Central Life Ins. Co. (Cincinnati) | S. W. cor. Fourth & Race. |
| William Boswell—Security Mutual Life Ins. Co. (Binghamton, N.Y.) | 507–509 Cham. of Com. |
| W. A. R. Bruehl & Co.—Home Life Ins. Co. (New York) | 222 W. Fourth st. |
| Collin Ford—Ætna Life Ins. Co. (Hartford, Conn.) | Commercial-Tribune Bldg. |
| M. J. Mack—Northwestern Mutual Life Ins. Co. (Milwaukee) | Traction Building. |
| Frank H. Simpson—Mutual Benefit Life Ins. Co. (Newark, N. J.) | 31–32 Ingalls Building. |
| E. C. Skinner—Washington Life Ins. Co. (New York) | 604 Union Trust Building. |

## INSURANCE.—LIABILITY, CASUALTY, BONDS.

| | |
|---|---|
| E. E. Shipley—United States Fidelity and Guaranty Co. (Baltimore) | 603 First Nat'l Bank Bldg. |

## IRON AND STEEL—PIG IRON.

| | |
|---|---|
| Block-Pollak Iron Co. (Carthage, O.) | P. O. Box 678, Cin'ti. |
| Dayton Coal and Iron Co | First National Bank Bldg. |
| Jones & Laughlin Steel Co. (Limited) | 1209 Union Trust Bldg. |
| W. F. Robertson Steel and Iron Co | Front and Elm sts. |
| Rogers, Brown & Co | Carew Building. |

## LEATHER—HIDES—WOOL.

| | | |
|---|---|---|
| L. Wise & Bros | Hides and Wool | 36 Main st. |
| Butchers' Hide Association | Tanners | 508 Poplar st. |
| Ohio & Ky. Kid Leather Mfg. Co | Tanners | Spring Grove ave. |

## LIVERY AND UNDERTAKING.

| | |
|---|---|
| Eggers & Sons Co | 953–957 Curtis st. |
| T. J. Mulvihill | 620 Sycamore st. |
| J. J. Sullivan & Co | 421 Central ave. |

## LIVE STOCK.

| | |
|---|---|
| Thomas Blong | |
| A. L. Bramble | Eggleston Ave. Stockyards. |
| L. F. Brown & Co | Stockton, Butler Co., O. |
| Albert Dill | 2740 Spring Grove ave. |
| Abe Furst | Mason, Ohio. |
| George Frondorf | 22 E. Eighth st. |
| Greene & Embry | Bridgetown, O. |
| Hubbard, Hauss & Ragsdale | Cin. Union Stockyards. |
| Long, West & Co | Cin. Union Stockyards. |
| H. H. Payne | Cin. Union Stockyards. |
| J. F. Sadler & Co | Camden, O. |
| George Slimer, Jr | Cin. Union Stockyards. |
| Stern, Frank & Co | John and Livingston sts. |
| W. L. Van Hise | Cin. Union Stockyards. |
| | West Chester, O. |

### STOCKYARDS.

| | |
|---|---|
| Cincinnati Union Stockyards | Spring Grove ave. |
| Eggleston Avenue Stockyards | Eggleston ave. |
| Slimer's Stockyards | John and Livingston sts. |

## LUMBER.

| | |
|---|---|
| Bennett & Witte | 222 W. Fourth st. |
| C. Crane & Co | 1739 Eastern ave. |
| R. H. Flemming | Ludlow, Ky. |
| Maley, Thompson & Moffett Co | Eighth & Evans sts. |
| H. W. Meier, Jr | McMicken and Ohio aves. |
| T. B. Stone Lumber Co | 1027–1029 Union Trust Bldg. |
| Wiborg, Hanna Co | Cummins st., Fairmount. |

## MERCANTILE AGENCIES.

| | | |
|---|---|---|
| The Bradstreet Co | L. C. Goodale, Sup't | 301-306 Union Trust Bldg. |
| R. G. Dun & Co | Jos. A. Scarlett, Dist. Mgr. | Ingalls Building. |

## MACHINERY.

| | | |
|---|---|---|
| Hoffman & Ahlers | Copper Works | 830 E. Pearl st. |
| Straub Machinery Co | Flour Mill and Distill. Mchy. | 1948-1956 W. Sixth st. |
| De La Vergne Refrig. Mach. Co. (N.Y.) | Ice Machines | 811 Neave Building. |
| Triumph Ice Machine Co | Ice Machines | 610 Baymiller st. |
| F. W. Niebling Co | Ice Machines | Norwood, Ohio. |
| Laidlaw-Dunn-Gordon Co | Pumping Machinery | 211 W. Fourth st. |
| John H. McGowan Co | Pumping Machinery | 54 Central ave. |
| I. & E. Greenwald Co | Machinists & Engine Builders | 720 E. Pearl st. |
| Houston, Stanwood & Gamble Co. | Machinists & Engine Builders | Covington, Ky. |
| J. A. Fay & Egan Co | Woodworking Machinery | Front and John sts. |

## MALT—HOPS—BREWERS' SUPPLIES.

| | |
|---|---|
| P. Andrew & Co | 901 & 903 E. Front st. |
| Burger Bros. Co | 83 E. McMicken ave. |
| Cincinnati Bung-Bush Co. | 1256 Richmond st. |
| Elsas & Pritz | 214 E. Court st. |
| Herman Goepper Co | 322–326 Hunt st. |
| Piqua Malt Co | N. E. c. Pearl & Main sts. |
| Riverside Malting & Elevator Co | 419 Plum st. |

## MISCELLANEOUS.

SUNDRY LINES OF BUSINESS NOT OTHERWISE CLASSIFIED.

| | | |
|---|---|---|
| Mente & Co | Bags | New Orleans, La. |
| Bradford Belting Co | Belting | N. W. cor. 2d & Walnut sts. |
| J. M. Blair Brick Co | Brick | Builders' Exchange. |
| Bromwell Brush and Wire Goods Co. | Brushes and Wire Goods | 612 W. Sixth st. |
| Sam. W. Trost | Cigar Boxes | 12–16 W. Canal st. |
| Witt Cornice Co | Cornices, Roofing, etc | Eighth and Broadway. |
| French Bros. Dairy Co | Dairy Goods, Ice Cream | 312–318 W. Seventh st. |
| S. Obermayer Co | Foundry Facings | 641 Evans st. |
| Crane-Breed Mfg. Co | Hearses, Burial Caskets, etc | 1213 W. Eighth st. |
| Fox & Jewell | Horses and Mules | 3128 Spring Grove ave. |
| Ault & Wiborg Co | Ink (Printing) | 432 New st. |
| Lindenberg Strauss & Co | Jewelers | 25–29 Carew Building. |
| Pettibone Bros. Mfg. Co | Regalia and Uniforms | 626–632 Main st. |

MISCELLANEOUS—CONTINUED.

| | | |
|---|---|---|
| Perkins-Campbell Co | Saddlery and Harness | 622–626 Broadway. |
| E. T. Sprague | Shirt Maker | 7 Wiggins Block. |
| Homan Manufacturing Co | Silver-plated Ware | 214–226 E. Seventh st. |
| F. H. Lawson Co | Tin and Japan Ware | 437 & 439 Main st. |
| Nathan Drucker & Co | Trunks | Ninth and Broadway. |
| American Valve & Meter Co | Valves, Brass & Iron Specialties | 1119–1125 Gest st. |
| D. T. Williams Valve Co | Valves, Brass & Iron Specialties | 904–910 Broadway. |
| Stearns & Foster Co | Wadding and Batting | 118 & 120 E. Canal st. |

## NAVAL STORES.

| | | |
|---|---|---|
| H. Garlick & Co | | 116 W. Pearl st. |
| Hosea & Co | | S.W. c. Front & Main sts. |

## NEWSPAPERS AND TRADE PUBLICATIONS.

| | | |
|---|---|---|
| Cincinnati Enquirer | John R. McLean, President | 617 Vine st. |
| Cincinnati Post | Milton A. McRae, Manager | 211–221 Longworth st. |
| Cincinnati Price Current | C. B. Murray, Editor & Prop'r | Government Place. |
| Cincinnati Price Current | Jos. D. Morten, Reporter | Government Place. |
| Cincinnati Times-Star | Chas. P. Taft, President | N. E. cor. 6th & Walnut sts. |
| Cincinnati Volksblatt | Leopold Markbreit, President | 637 Vine st. |
| Commercial-Tribune Co | E. O. Eshelby, President | Com'l-Tribune Bldg. |
| Mida's Criterion of Chicago | F. P. Thomas, Local Manager | 1209 First Nat'l Bank Bldg. |

## OILS

| | | |
|---|---|---|
| American Cotton Oil Co | | 441–465 E. Sixth st. |
| Burckhardt & Co | | 323 Sycamore st. |
| Archer-Daniels Linseed Co | | 944 W. Fifth st. |
| The C. H. Moore Oil Co | | York St. & McLean Ave. |
| Standard Oil Co | | 105 East Pearl st. |
| C. P. Wagner & Co | | 126 Sycamore st. |

## PAINTS—GLASS—ETC.

| | | |
|---|---|---|
| Barron, Boyle Co | | 230 E. Fifth st. |

## PAPER.

| | | |
|---|---|---|
| Chatfield & Woods Co | | 347–351 W. Fourth st. |
| Diem & Wing Paper Co | | Eighth & Eggleston ave. |
| Haldeman Paper Co | | Lockland, O. |

## PIANOS.

| | | |
|---|---|---|
| D. H. Baldwin & Co | | 142 & 144 W. Fourth st. |
| Auto Grand Piano Co | | New Castle, Ind. |

## PICKLES—PRESERVES—VINEGAR.

| | | |
|---|---|---|
| J. Weller Co | | Spring Grove ave. |

## PORK PACKERS—PROVISIONS—LARD.

| | | |
|---|---|---|
| Armacost, Riley & Co | | 113 E. Front st. |
| Armour Packing Co. (Kansas City) | E. G. Streit, Agent | 33 Main st. |
| Cincinnati Abattoir Co | | 3251 Spring Grove ave. |
| Cincinnati Provision Export Co | | Cham. of Com. Bldg. |
| J. H. Dunholter & Co | | 55 Walnut st. |
| Ernst Adolph Freund | | 1213–1217 W. Liberty st. |
| R. Haskins & Co | | 205 Walnut st. |
| John Hoffmann Packing Co | | S.W. c. Cent. ave & Baymiller st. |
| John Hoffmann's Sons | | 2148 Coleman st. |
| Michael F. Hoffmann | | 215 W. Sixth st. |
| Charles Jacob | | 1972–1974 Plum st. |
| A. Loewenstein's Sons | | S. W. c. John & Livingston. |
| Jacob Lohrey | (Also Smoked Fish) | 2147–2151 Kindel ave. |
| Maescher & Co | | 1754 & 1756 Central ave. |
| H. H. Meyer Packing Co | | Linn st. and Central ave. |

### PORK PACKERS—PROVISIONS—LARD—CONTINUED.

Thomas Morrison & Co.....Bank and Winchell ave.
Nelson Morris & Co. (Chicago) George F. Blauvelt, Local Manager..Room D. Chamber of Com.
Omaha Packing Co. (Chicago).....Chas. W. Riley, Jr., Agent....110 E. Second st.
John Raum & Co.....306 & 308 E. Pearl st.
J. Rawson's Sons.....Spring Grove ave.
John C. Roth Packing Co.....1010 Gest st.
George Rupp & Co.....Hamilton, O.
A. Sander Packing Co.....1022 Gest st.
J. & F. Schroth Packing Co.....Camp Washington, City.
J. A. Severet & Co.....32 E. Front st.
Swift & Co. (Chicago) .....Leo Jacobs, Local Manager.....27–29 Main st.
Jacob Vogel & Son.....2604 Colerain ave.
George Zehler Provision Co.....1709 Logan st.

### PROVISION BROKERS.

Geo. H. Huschart.....19 Fosdick Bldg., 41 E. 4th st.
Robert Montgomery.....19 Fosdick Bldg., 41 E. 4th st.
James K. & John C. Morrison.....Chamber of Commerce.
Charles Rockel.....58 Walnut st.
Bernard Schapker & Co.....15 E. Third st.
William A. Slusser.....123 E. Second st.
John E. Stone.....Room C, Cham. of Com. Bldg.
M. D. Thompson.....Chamber of Commerce.
W. H. Washington.....1312 First Nat'l Bank Bldg.
John Woesten.....516 Cham. of Com. Bldg.

### PRODUCE COMMISSION MERCHANTS.

FRUITS, VEGETABLES, BUTTER, CHEESE, EGGS, POULTRY, ETC.

Armacost, Riley & Co.....113 E. Front st.
James A. Baird & Co.....126 E. Front st.
Bergewisch & Becky.....1009 Race st.
Blome & Dreifus.....1010 Race st.
I. J. Cannon & Co.....110 E. Front st.
F. Delsignore & Co.....114 E. Front st.
Christ. Eberle Sons.....206 W. Sixth st.
Finke & Schwier.....1008 Race st.
Funck Brothers.....228 W. Sixth st.
Glas, Bloom & Co.....115 E. Front st.
Goyert & Vogel.....49 Walnut st.
Charles Heidrich & Co.....33 Walnut st.
Charles H. Hess & Co.....12–14 W. Court st.
D. Hoppe & Co.....31 Walnut st.
F. Jelke & Son Co.....53 Walnut st.
John V. Kisker & Co.....11–13 Main st.
F. Kushman & Co.....133 E. Front st.
Keystone Commercial Co.....Pittsburgh, Pa.
Lett & Co.....48 Walnut st.
J. Leverone & Co.....100 & 102 E. Front st.
N. Longfellow & Co.....126 E. Front st.
W. P. Mappes & Co.....8 & 10 W. Court st.
John C. Mulvihill.....38 Walnut st.
A. G. Norman & Co.....40 Walnut st.
Andrew Rohan Co.....50 Walnut st.
Romer Bros.....1011 Race st.
Simmons & Norris.....41 Walnut st.
Telker & Dunker.....118 E. Court st.
S. & M. Weil & Co.....106 E. Front st.
Henry Wolter & Co.....47 Walnut st.

### RAILROADS—EXPRESS COMPANIES—FAST FREIGHT LINES.

ADAMS EXPRESS CO.:
Charles F. Barrett.....Agent.....416 Main st.
William W. Glen.....Auditor.....Express Bldg., Front & Butler sts.

AMERICAN EXPRESS CO.:
Charles G. Kingsbury.....General Agent.....16 E. Fourth st.

RAILROADS—EXPRESS COMPANIES—FAST FREIGHT LINES—CONTINUED.

| | | |
|---|---|---|
| **BALTIMORE & OHIO SOUTHWESTERN RY. CO.:** | | |
| Charles W. Tomlinson | Division Freight Agent | 510 Traction Building. |
| Charles E. Fish | Local Freight Agent | Second and Smith sts. |
| **CHESAPEAKE & OHIO R. R. CO.:** | | |
| Thornton Lewis | Gen'l Western Freight Agt. | Ingalls Building. |
| James T. Earle | Local Freight Agent | 525 W. Fourth st. |
| **CINCINNATI, HAMILTON & DAYTON RY.:** | | |
| A. H. McLeod | General Agt. Freight Dept. | Carew Building. |
| Albert D. McLeod | Ass't General Freight Agent. | Carew Building. |
| Stuart A. Allen | Southern Agent | S. E. cor. 5th & Walnut sts. |
| Charles A. Barnard | Local Freight Agent | Sixth and Baymiller sts. |
| Paul C. Benedict | Passenger Agent | S. E. cor. 5th & Walnut sts. |
| **CINCINNATI, NEW ORLEANS & TEXAS PACIFIC RY.:** | | |
| William J. Murphy | Vice-President | Ingalls Building. |
| George P. Biles | General Freight Agent | Ingalls Building. |
| William C. Rinearson | General Passenger Agent | Ingalls Building. |
| J. M. Arnold | Local Freight Agent | Front and Mill sts. |
| J. B. Clancey | Commercial Agent | N. W. cor. 4th & Vine sts. |
| **CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS RY. CO.:** | | |
| M. E. Ingalls | Chairman of the Board | Big Four Office Building. |
| George H. Ingalls | Gen'l Freight Agent. | Big Four Office Building. |
| Charles J. Brister | Ass't Gen'l Freight Agent. | Big Four Office Building. |
| George Metzger | Division Freight Agent | Big Four Office Building. |
| T. A. Conner | Local Freight Agent | Pearl st. and Central ave. |
| Charles Krotzenberger | Gen'l Agent Passenger Dept. | 36 Ingalls Building. |
| N. R. Johnson | General Agent | 37 Ingalls Building. |
| Charles F. Adams | Contracting Agent | 37 Ingalls Building. |
| John S. Fitzgerald | Contracting Agent | 37 Ingalls Building. |
| John D. Lindsay | Agt. Big Four Grain Elev. | Harriet st. & Big Four Ry. |
| **LITTLE MIAMI R. R. CO.:** | | |
| H. C. Urner | Secretary and Treasurer | Fosdick Bldg., 41 E. 4th st. |
| **LOUISVILLE & NASHVILLE R. R. CO.:** | | |
| Brent Arnold | Division Freight Agt. & Sup't. | 501 Cham. of Com. Bldg. |
| W. W. Alexander | Local Freight Agent | Front and Butler sts. |
| E. C. Arnold | Contracting Freight Agent. | S. E. cor. 5th & Vine sts. |
| John A. Hosty | Soliciting Agent | S. E. cor. 5th & Vine sts. |
| **PITTSBURGH, CINCINNATI, CHICAGO & ST. LOUIS RY.:** | | |
| J. A. McCrea | | Front and Butler sts. |
| S. C. Matthews | Division Freight Agent | 901 Union Trust Building. |
| John W. Welply | Contracting Agent | 42 E. Fourth st. |
| A. L. Robinett | Local Freight Agent | Front and Butler sts. |
| Atlantic Coast Line R. R. Co | S. H. Dare, Gen'l West. Frt. Agt. | 507 Union Trust Building. |
| Blue Ridge Despatch | Justin J. Johnson, Agent | 810 Traction Building. |
| Canadian Pacific Dispatch | Burton R. White, Agent | 23 Carew Building. |
| Central of Georgia R. R. | George T. Solar, Com'l Agent. | 531 Union Trust Building. |
| Cincinnati Car Service Bureau | O. G. Fetter, Manager | 10 Carew Building. |
| Cin., Lebanon & Northern Ry. Co. | Clay Rockwell, Gen. Freight & Pass. Agt. | Court, nr. Broadway. |
| Chic., Indianapolis & Louisville Ry. | Geo. S. Brecount, Com'l Agt. | S. E. cor. 5th & Walnut sts. |
| Continental Line<br>Central States Despatch | Thos. H. Noonan, Gen'l Mgr.<br>Chas. W. Tomlinson, Gen'l Agt. | 902 First Nat'l Bank Bldg.<br>510 Traction Building. |
| Cumberland Gap Dispatch | Wm. Y. Brent, Soliciting Agt. | S. E. cor. 5th & Vine sts. |
| Detroit, Toledo & Ironton R. R. | Eugene Zimmerman, Pres't. | Toledo, Ohio. |
| Empire Line | Wm. F. Burbank, Agent | Ingalls Bldg. |
| Erie Railroad Co | Chas. P. Morse, Gen'l Agent. | 304 Mercantile Lib. Bldg. |
| Georgia Railroad | A. R. Morgan, Com'l Agent. | 630 Union Trust Building. |
| Illinois Central R. R. | W. E. Downing, Com'l Agent. | 423 Vine st. |
| Kanawha Dispatch | Thornton Lewis, Manager. | Ingalls Building. |
| Kanawha Dispatch | Orville N. Seely Agent. | 810 Traction Building. |
| Lackawanna Fast Freight Line | | S. E. cor. 5th & Walnut sts. |
| Nashville, Chattanooga & St. L. R. R. | D. J. Mullaney, Com'l Agent. | 23 Carew Building. |
| New York Central Lines | Chas. H. King, Com'l Agent. | N. E. cor. 4th & Vine sts. |
| Norfolk & Western Railway | L. V. Finkle, Gen'l Agent. | 45 E. Fourth st. |
| Plant System of Railways | | (See Atlantic Coast Line.) |
| Seaboard Air Line R. R. | E. R. Vazeille, Com'l Agent. | 604 Mercantile Lib. Bldg. |
| Southern Railway | Ralph H. Morris, Com'l Agent. | 1406 Traction Building. |
| Star Union Line | Robert B. Bowman, Agent. | 42 E. Fourth st. |
| Star Union Line | A. S. Matchette, Sol'g Agent. | 42 E. Fourth st. |

## REAL ESTATE—AUCTIONEERS—LOANS.

W. T. Buckner.. ..... 221 E. Fourth st.
Wm. H. Davis..... 19 Fosdick Bldg. 41 E. 4th st.
W. V. Ebersole & Co..... 240 E. Fourth st.
Thomas Emery's Sons..... Mercantile Library Bldg.
A. G. Erkenbrecher..... 1315 Union Trust Bldg.
Ezekiel & Bernheim..... 334 Main st.
E. W. Murphey..... Agent, Groesbeck Estate..... 407 Johnston Building.
Frederick A. Schmidt..... 114 E. Fourth st.
John Sullivan..... 131 E. Fourth st.
James B. Wallace..... Room D, Cham. of Com. Bldg.
James O. Woodward..... 39 Wiggins Block.

## RIVER TRANSPORTATION.

John Barrett & Son..... Towboating..... 513 Cham. of Com. Bldg.
Campbell's Creek Coal Co..... Towboating and Freighting... 311 Mercantile Lib. Bldg.
Collins & Hartweg Co..... Towboating..... Foot of Race st.
Thomas J. Hall..... Towboating..... Foot of Lawrence st.
Huntington & St. Louis Towboat Co... Chas. J. Menges, Supt..... Front and Lawrence sts.
Louisville & Cincinnati Packet Co.... F. A. Laidley, Gen'l Mgr..... Foot of Main st.
Pittsburgh & Cincinnati Packet Co. { J. F. Ellison, Sup't..... 204 E. Front st.
E. R. Mauck, Gen'l Agent..... 204 E. Front st.
Coney Island Wharfboat Co..... { L. H. Brooks, Pres't..... Foot of Broadway.
J. F. Ellison, Sec'y and Treas.. Foot of Broadway.

## ROOFING—ROOFING MATERIALS.

Breese Bros. Co..... 405 Central ave.

## SAFES AND VAULTS—TIME LOCKS.

Hall's Safe Co..... Spring Grove ave. & Kinney st.
Herring-Hall-Marvin Safe Co..... Hamilton, O.
Mosler Safe Co..... 8 W. Third st.
Victor Safe and Lock Co..... Ninth and Broadway.
Consolidated Time Lock Co..... Time Locks..... 315 & 317 W. Fourth st.

## SALT.

J. H. Dunholter & Co..... 55 Walnut st.
P. L. Clifton..... Pomeroy, O.

## SCALES.

Cincinnati Scale Mfg. Co..... 212 Walnut st.
Fairbanks, Morse & Co..... 137 W. Fourth st.

## SEEDS.

J. M. McCullough's Sons Co..... 316 & 318 Walnut st.
J. Charles McCullough..... N. E. cor. 2d & Walnut sts.
Patterson & Evans..... 52 Vine st.

## SOAPS.

Globe Soap Co..... 106 E. Water st.
Procter & Gamble Co. (Ivorydale, O.)..... United Bank Bldg., Cin'ti.
Ryan Soap Co..... 2641 Spring Grove ave.
M. Werk Co..... 411 Poplar st.

## STATIONERS—LITHOGRAPHERS—PUBLISHERS.

W. B. Carpenter Co..... 422–428 Main st.
Henderson Lithographing Co..... 418–422 Sycamore st.
Jones Bros. Publishing Co..... 111–117 Longworth st.
Macbrair Lithographing Co..... S. E. c. 5th & Sycamore sts.
Pounsford Stationery Co..... 131–135 E. Fourth st.
Strobridge Lithographing Co..... 108–118 W. Canal st.
United States Printing Co..... Fifth and Lock sts.
Williams Directory Co..... 208 Longworth st.

## STREET SPRINKLING.

Morris Bauer..... 425 Bauer ave.
Eggers & Sons Co..... (Also Livery Stable)..... 953–957 Curtis st.

## TRANSFERRING—HAULING—EXPRESSING.

| | | |
|---|---|---|
| Cincinnati Transfer Co | | 57–58 Mitchell Building. |
| Cincinnati R. R. Omnibus Co | | 19 Opera Place. |
| Cincinnati and Suburban Delivery Co | | 507 Walnut st. |
| Henry Janszen | | 231 Walnut st. |
| George Reichel | | 25–29 W. Water st. |
| J. Van Hart & Sons | (Also dealers in Tanbark) | Elm and Water sts. |
| Marcus Warth | | 35 W. Pearl st. |

## WHITE LEAD.

| | | |
|---|---|---|
| Eagle White Lead Co | Manufacturers | 1020–1030 Broadway. |
| National Lead Co | Manufacturers | S.W. c. 7th & Freeman ave. |

# PUBLIC OFFICIALS, PUBLIC COMPANIES, ETC.

REPRESENTED IN THE MEMBERSHIP OF THE CHAMBER OF COMMERCE.

## PUBLIC COMPANIES.

CINCINNATI GAS AND ELECTRIC CO.:

| | | |
|---|---|---|
| Norman G. Kenan | President | S.W. cor. 4th & Plum sts. |

CINCINNATI STREET RAILWAY CO.:

| | | |
|---|---|---|
| John Kilgour | President | Telephone Building. |
| James A. Collins | Secretary and Treasurer | Telephone Building. |

CINCINNATI TRACTION CO.:

| | | |
|---|---|---|
| W. Kesley Schoepf | President & General Manager | Traction Building. |
| J. B. Foraker, Jr | Vice-President | Traction Building. |

CINCINNATI ZOOLOGICAL CO.:

| | | |
|---|---|---|
| Edward Goepper | President | Head of Vine st. |
| J. B. Foraker, Jr | Vice-President | Head of Vine st. |
| Walter A. Draper | Secretary and Treasurer | Head of Vine st. |

CINCINNATI AND SUBURBAN BELL TELEPHONE CO.:

| | | |
|---|---|---|
| John Kilgour | President | Telephone Building. |
| B. L. Kilgour | General Manager | Telephone Building. |

COVINGTON AND CINCINNATI BRIDGE CO.:

| | | |
|---|---|---|
| Bradford Shinkle | President | Covington, Ky. |
| J. A. Johnson | Assistant Secretary | Covington, Ky. |

INTERURBAN RAILWAY AND TERMINAL CO.:

| | | |
|---|---|---|
| John M. Kennedy | Treasurer | 415–419 Sycamore st. |

POSTAL TELEGRAPH CABLE CO.:

| | | |
|---|---|---|
| C. E. Sawtelle | Manager | 23 Fountain Square. |

WESTERN UNION TELEGRAPH CO.:

| | | |
|---|---|---|
| Robert C. Bliss | Manager | N. E. cor. 4th & Vine sts |

## CITY OFFICIALS.

| | |
|---|---|
| Paul M. Millikin—Chief of Police | City Hall, 8th and Plum. |
| Maurice J. Freiberg—Commissioner of New Waterworks | City Hall, 8th and Plum. |
| William B. Melish—Commissioner of New Waterworks | City Hall, 8th and Plum. |
| C. M. Holloway—Commissioner of New Waterworks | City Hall, 8th and Plum. |
| Leopold Markbreit—Commissioner of New Waterworks | City Hall, 8th and Plum. |
| Abe Furst—Member Board of Public Safety | City Hall, 8th and Plum. |
| John A. Archibald—Fire Marshal | Sixth st., near Vine. |
| Chas. P. Taft—Trustee of the Sinking Fund | City Hall, 8th and Plum. |
| C. H. Kellogg—Trustee of the Sinking Fund | City Hall, 8th and Plum. |
| Geo. W. Harris—Trustee of the Sinking Fund | City Hall, 8th and Plum. |
| Levi C. Goodale—Trustee Cincinnati Southern Railway | Ingalls Building. |
| Thomas Morrison—Trustee Cincinnati Southern Railway | Ingalls Building. |

## COUNTY OFFICIALS.

| | | |
|---|---|---|
| C. C. Richardson | County Auditor | Court House, Main st. |

## COMMERCIAL ORGANIZATIONS.—LOCAL.

BUSINESS MEN'S CLUB:
Albert Bettinger.....President.....Chamber of Com. Bldg.

BUSINESS MEN'S BENEVOLENT ADVISORY ASSOCIATION:
Secretary's Office.....304 Broadway.

CINCINNATI ASSOCIATED ORGANIZATIONS:
Secretary's Office.....220 West Liberty st.

CINCINNATI BOARD OF TRADE COMPANY:
Secretary's Office.....421 Union Trust Building.

CINCINNATI INDUSTRIAL BUREAU:
W. L. Finch.....Secretary.....501 Union Trust Building.

CINCINNATI LEAGUE:
Secretary's Office.....421 Union Trust Building.

COMMERCIAL CLUB:
Edward Goepper.....President.....Office—Queen City Club.

MANUFACTURERS CLUB:
Secretary's Office.....421 Union Trust Building.

MERCHANTS AND MANUFACTURERS ASSOCIATION:
Stewart Shillito.....President.....103 Neave Building.

OHIO VALLEY IMPROVEMENT ASSOCIATION:
John L. Vance.....President.....397 E. Broad st., Columbus, O.
J. F. Ellison.....Secretary.....204 E. Front st.

RECEIVERS AND SHIPPERS ASSOCIATION:
E. E. Williamson.....Commissioner.....1216 Union Trust Bldg.

## POST-OFFICE.

E. R. Monfort.....Postmaster of Cincinnati.....Government Building.

# MEMORIAL REPORTS.

The following reports of Committees of the Cincinnati Chamber of Commerce appointed to prepare memorial papers on the death of members, were adopted by the Association, and are printed by order of the Board of Directors:

## GOTTLIEB MUHLHAUSER. DIED FEBRUARY 9, 1905.

Gottlieb Muhlhauser was born in Muckendorf, Bavaria, in 1836, and came to this country with his parents when but four years of age, his family settling at Portsmouth, Ohio. In the year 1845 they came to Cincinnati. At the age of thirteen, his father died, and from that time he was compelled to enter into the active labors of life.

He engaged in several enterprises, but in 1866, associated with his brother Henry, and Conrad Windisch, organized the Lion Brewery, which is today one of the largest industries in the city. He was President of this concern at the time of his death.

In the year 1869 he became a member of the Chamber of Commerce, and while in the last few years he was not regular in attendance at the daily sessions, on account of his feeble health, yet he had many dear friends among the membership.

Mr. Muhlhauser had many good qualities—the prompt fulfillment of all obligations was to him an important duty; he was kind by nature, modest in deportment, warm in his sympathies, and true to every trust. In his home life he was never so happy as when surrounded by the members of his family whom he dearly loved.

He died February 9, 1905, age 69 years, and in his death the Cincinnati Chamber of Commerce has lost one of its oldest and most valued members, and the city of Cincinnati a true and enterprising citizen.

EDWARD R. BUHRMAN,
ROBERT A. DYKINS,
MICHAEL RYAN,
JOHN G. BROXTERMAN,
GEORGE F. DIETERLE,
} *Committee.*

## G. H. VONDERAHE. DIED MARCH 2, 1905.

*Whereas,* It has pleased Almighty God in his infinite wisdom to remove from our midst our honored and worthy fellow-member, G. H. Vonderahe; and

*Whereas,* His pleasant, amiable disposition and upright character during his entire business career and social life, endeared him to all, and makes it eminently fitting that we should place upon record our feelings of appreciation of his worth, and regrets for his loss to us and his family; therefore be it

*Resolved,* That the sudden removal of our esteemed fellow-member from the community in which he lived and was engaged in business, creates a loss that is hard to bear, but the

memory of his many good qualities in life will always remain, to console his family and many friends;

*Resolved*, That we herewith extend our deepest sympathy to the bereaved relatives and friends, and recommend that a copy of these resolutions properly engrossed, be sent to the family of our deceased friend and fellow-member.

ANDREW ROHAN,
CHARLES HEIDRICH,
DAVID S. DREIFUS,
HENRY VOGEL,
WM. P. MAPPES,
} *Committee.*

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## FERDINAND JELKE. DIED MARCH 18, 1905.

*Whereas*, It has pleased Almighty God, in his infinite wisdom, to remove from our mids, our honored and worthy fellow-member, Ferdinand Jelke, Sr., and

*Whereas*, The pleasant and intimate relations as a member of the Cincinnati Chamber of Commerce, and President of the Cincinnati Produce Exchange, with his fellow membersf makes it eminently fitting that we should place upon our record our feelings of appreciation of his services, and regret for his loss; therefore be it

*Resolved*, That the members of these bodies will ever hold in remembrance the sterling business qualities, integrity and faithfulness of our late fellow-member, as a presiding officer of the Produce Exchange, and as a merchant of this city for the past forty years.

*Resolved*, That we hereby extend our deepest sympathy to the bereaved relatives and friends of our departed friend and fellow-member, hoping that even in the sadness of their affliction, they may yet find some consolation in knowing that the worth of his private quali ties and public services are properly appreciated.

*Resolved*, That a copy of these resolutions be properly engrossed and sent to the family ot our deceased fellow-member.

ANDREW ROHAN,
DAVID S. DREIFUS,
HENRY VOGEL,
A. G. NORMAN,
LOUIS ROMER,
} *Committee.*

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## JULIUS PFLEGER. DIED APRIL 2, 1905.

The death of Julius Pfleger occurred at his home in Cincinnati on April 2, 1905. He was born on September 25, 1843, and came to this city from Bavaria when twenty years of age. His father was a tanner, and the son acquired knowledge of this line of industry, which naturally led him to seeking employment of a nature with which he was familiar. His services in a large tannery here soon gained recognition for intelligence and efficiency, and later he was placed in charge of the leather store of the concern, his sterling qualities securing for him such advancement. Ultimately, he with associates, established a firm for the conduct of trade in leather, which operated under the name of Griess, Pfleger & Co., with which he was prominently identified until his death.

The character of Mr. Pfleger was such as to command high respect and fullness of esteem from all who had business and social relations with him. Governed by a high sense of the obligations between fellow-men which imply integrity of purpose and of action, he became in his career an admirable and commanding example of such characteristics. He was free from ostentation, and from ambition for personal recognition in the community, but the qualities which he possessed and displayed brought him into identity with various commercial, financial, benevolent and social organizations, which he maintained with full credit to himself and usefulness to the bodies with which he was thus affiliated. Such a man was an honor to the membership of the Chamber of Commerce, and the various other organizations with which he was connected.

In submitting this memorial report the committee recommends that a copy be furnished to the family of the deceased member, whose life and career has been one of exceptional value for those qualities of industry, of good intent, and of elements of integrity, which make his removal felt as a serious loss to the community.

J. GEORGE JUNG,
BRAXTON W. CAMPBELL,
F. J. DIEM,
GEORGE F. DIETERLE,
GEORGE H. BOHRER,
*Committee.*

## JOHN N. WOOLLISCROFT. DIED APRIL 15, 1905.

John N. Woolliscroft was born at Galesburg, Illinois, and died at his home in Covington, Kentucky, April 15, 1905, in his fifty-ninth year.

Mr. Woolliscroft was a member of the Cincinnati Chamber of Commerce for twenty-five years, and was identified with the grain and hay trade throughout this period, during much of the time being especially prominent in operations in these lines in this market. He was master of questions of transportation applicable to the business in which he was engaged and the territory which it covered. With the knowledge which he acquired and possessed of the various features of the trade in which he was engaged, he was honest and earnest in all his business relations, which naturally invited the confidence, respect and personal affection, which was so generously accorded to him.

There was in his personality that which drew men toward him, for the amiability of his nature, the graciousness of his bearing toward others, and that manifest element of integrity which commands high recognition from all persons. To those of us who have known him intimately there has been special satisfaction in his companionship, and a value in the opportunities for contact with him, which is derived from close relationship to a noble nature.

In offering for the records of our Association, this brief expression concerning the fellow-member now removed by death, it is the wish of the committee that a copy be transmitted to the family of the deceased. And the committee feels impelled to mention that the home life of this good man was an ideal one, consistent with his lovable characteristics. The widow and children surviving him have the profound sympathy of those who have known him and who cherish his memory.

J. A. LOUDON,
PETER VAN LEUNEN,
F. F. COLLINS,
A. C. GALE,
JAMES W. ELLIS,
*Committee.*

## GROVE J. PENNEY. DIED JUNE 28, 1905.

Grove J. Penney was born in Jefferson County, New York, February 6, 1819, and died in Cincinnati on June 28, 1905, reaching the age of 86 years and nearly five months.

Mr. Penney came to Cincinnati about the year 1850, and became connected with the hardware trade. Later he engaged in the grain business, with which he maintained identity until his retirement from active operations, about two years prior to his death. He was a member of the Chamber of Commerce for forty-eight years—a period of such connection equaled by but few members.

From first to last, in his business career in this city, and as a member of the Chamber of Commerce, Mr. Penney was an example of correct methods. He bore the reputation among business associates as a man of honesty, and of honorable and upright treatment of affairs in his relations toward others, whether the conditions attending him were those of prosperity or otherwise. Under all the variableness of his situation with reference to results of business endeavor, his life and his actions reflected that sterling worth which commands the respect of fellow-men.

Acting upon a provision of the By-laws of the Association granting to the Board of Directors of the Chamber of Commerce the privilege of electing one honorary member annually, by unanimous vote, such distinction was conferred upon Mr. Penney in 1901.

In offering these expressions for the records of the Chamber of Commerce the committee recommends and requests that a copy be transmitted to the widow of the deceased member.

PERIN LANGDON,
B. W. WASSON,
CHARLES B. MURRAY,
J. A. LOUDON,
B. W. GALE,
} *Committee.*

## VAL P. COLLINS. DIED AUGUST 18, 1905.

Mr. Collins was born in Maysville, Kentucky, March 8, 1838, and received a common school education at a private school in that city. He followed the printing and binding trade in his early days, and at eighteen went to Minnesota, following general trading and lumbering, returning to Maysville in 1859. He was a pioneer in the manufacture of oil from coal as was the process before the discovery of wells and natural deposits. A few years later he came to Cincinnati and engaged in the commission and wholesale business, soon devoting his time to river transportation in coal and iron, following this line of work during the rest of his life.

In 1868 he married Hattie Gates, and moved to Covington, Kentucky, and in 1884 took up his residence in the fine old home at 1559 Garrard street, where he died August 18, 1905, leaving a widow and four children. During his residence in Covington he served eighteen years as a member of the School Board, the greater part of this time as its President, being several times nominated by both parties.

In the death of our associate, Val P. Collins, the Cincinnati Chamber of Commerce has lost one of its oldest and most valued members, a wise counsellor, a man of excellent habits, of unusually pleasant demeanor, happy and cheerful disposition, and honorable in every sense of the word. His private life was of an exemplary character, and his heart was filled with charity.

His family has lost a kind and affectionate husband and father, leaving an aching void by their fireside which can never be filled. His associates of the Chamber of Commerce extend

to them their sincere sympathy and assure them that no one stood higher in their love and respect, or will be more greatly missed.

We ask that this tribute be spread upon the minutes of the Chamber of Commerce, and a copy of the same be transmitted to the family of the deceased.

H. C. WHETSTONE,
J. T. HATFIELD,
BRADFORD SHINKLE,
PARIS C. BROWN,
GOTTLIEB HARTWEG,
WM. H. DAVIS,
JOHN DUNHOLTER,
} *Committee.*

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## JULIUS FREIBERG. DIED DECEMBER 7, 1905.

The committee appointed by the Chamber of Commerce to draft a suitable memorial on the demise of our esteemed member, Julius Freiberg, have the honor to present the following:

Julius Freiberg, an Honorary Member of this Association, who was called from earth to his eternal rest on Thursday, December 7, 1905, at the ripe age of eighty-two years, has paid Nature's debt, leaving a glorious heritage of an upright life, exemplary not alone in his conduct as a merchant and leading manufacturer of our city, but also did he leave the impress of his honorable and useful career as a citizen upon the city of his adoption, through the many channels of his busy life.

We feel confident there is no exaggeration in asserting that no merchant, manufacturer or citizen of our beloved Cincinnati has contributed more to its good name, its development, growth and prosperity, than did he.

The thousands of denizens whom he helped by employment and thus ennobled honest labor, will, with us, bear testimony that his pleasant smile, his cheery words, his manly hand shake, will ever remain a sweet and pleasant reminder of his good and noble life.

In all that appertains to the qualities of a peerless merchant, he was indeed a true ideal. His word was equal to his bond, and all who had the good fortune to have had business connections with him will bear uniform testimony to his high integrity of character, his unflinching honesty and loyalty to each and all of his obligations.

In his demise, we have indeed lost a strong pillar of our association. He became a member of our Chamber on January 7, 1861, and so impressed himself upon the membership by a career of rectitude and usefulness, that the Chamber on September 4, 1894, conferred upon him the highest honor within its gift, that of Honorary Member for life.

It is not alone his career and conduct as a member of our Chamber that we can proudly point to, but likewise in the capacity of his cosmopolitan citizenship, he was ever ready to serve the best interests of the municipality, supporting liberally every measure for the advancement and improvement of the city of his residence.

Already in the year 1872 the good people of Cincinnati recognized his unimpeachable uprightness and sound judgment, and elected him a member of the Ohio Constitutional Convention of 1873, and during the whole time of its prolonged session, he faithfully and conscientiously attended the duties of that distinguished assemblage; and our honored fellow-citizen, Hon. Rufus King, its presiding officer, frequently extolled in high terms the able assistance and wise counsel which Mr. Freiberg gave and contributed to the deliberations of that convention.

He served as a member of the Board of Sinking Fund Trustees from 1896 to 1901, by appointment of the Superior Court of Cincinnati, giving freely of his time and talents to the

best interests of our city, and constantly studying hard and advising frequently with our leading public men and financiers as to the best and most useful policies and methods to pursue in order to promote and further elevate the already high credit of our city, resigning only when his failing health prevented him from any longer performing what he conceived to be his loyal duty.

He was naturally a leader and a strong one, and thousands of us who were fortunate enough to frequently serve with him in the consideration of public enterprises or charitable projects, or to succor the distressed in any section of our own or other countries, can testify that his strong and concise expressed convictions frequently carried the day and made men's minds yield to the lucid views, which he so pathetically urged in behalf of the suffering and needy.

If there was one virtue more than another possessed by our dear friend, it was his broad toleration. He loved all men irrespective of creed or nationality, and an appeal from suffering humanity from whatever source it came brought forth from Julius Freiberg, at all times, a hearty and generous response.

Though we deeply mourn his loss, his life work is well completed, and we are justified in thanking the Giver of all good things that such a man as Julius Freiberg lived.

In token of our sympathy, we respectfully recommend that this memorial be spread upon he records of the Chamber of Commerce, and that a copy thereof be transmitted to the family of the distinguished deceased.

It is further resolved that it be published in the daily papers of our city, and in closing this trfbute, offered with deep bowed hearts, well may we say of him,

"Many, my friend, have mourned for thee,
And yet shall many mourn,
Long as thy name on earth shall be
In sweet remembrance borne;
For while thine absence they deplore,
'Tis for themselves they weep,
That they behold thy face no more."

Respectfully submitted,

LEWIS SEASONGOOD,
MICHAEL RYAN,
CASPER H. ROWE,
JAMES LEVY,
WILLIAM N. HOBART,
EDWARD SENIOR,
J. G. SCHMIDLAPP,
} *Committee.*

# Edward Alexander Ferguson.

**Tribute by a Special Committee of the Cincinnati Chamber of Commerce, on Behalf of the Association.**

The measure of a man's title to recognition and tribute is governed by the value of his service to fellowmen and for the common good. To him who gives to others unselfishly and freely the benefit of his talents and his attainments, to their advantage, advancement and elevation, in significant degree, belongs recognition, and to him may and should be accorded manifestations of tribute. Even though he may have passed from activities among men, such evidences of recognition and of tribute not only fulfill an implied obligation among appreciative members of the human family, but they afford inspiration to others in efforts and deeds which count for the general welfare.

Edward Alexander Ferguson, who has recently died at his home in this city, represents an instance in which the Chamber of Commerce may take special action, in view of the work which has distinguished his career, in its influence upon vital interests of the city and locality—and that which has been influential for the local advancement has given to other localities, near and distant, an abundant share of benefit from this work.

Cincinnati has the distinction of being the only municipality in this country which has built and owns a great railway, its conception and construction being occasioned by the needs of the business interests of the city, and at a time when such a facility was essential to its present and future position in the commerical world. With the laws of three States presenting difficulties to be met, the intelligent study and aggressive action of Mr. Ferguson relating to the questions thus involved found a way for overcoming the obstacles, and reaching ultimate success, in preparing the way for actual construction. And from step to step, which the history of this great and unique enterprise has disclosed, the genius of Mr. Ferguson has been applied persistently and effectively, and it may be said essentially, for without his relation to this work it is not certain that the important achievement finally reached could have been attained.

Today Cincinnati accords recognition to the great service which has been rendered to its industrial and investment interests by the construction of the Cincinnati Southern Railway, and this recognition is inseparable from a sentiment of tribute to Edward Alexander Ferguson, whose life was marked by an earnestness and devotion of purpose, untainted by selfishness, and distinguished for the attainments which his intelligence and mental training secured through the resources of force which he commanded. His courage and his conscience, which carried him forward in this great cause, in which our citizens were concerned, were elements of such heroism as wins and holds the respect of fellowmen.

Although not a member of the Chamber of Commerce, the position of Mr. Ferguson in this community in the promotion of its material interests, his eminent mastery of legal questions, and his service as a public benefactor, invite and deserve these expressions, now offered on behalf of the membership of this Association, in accordance with actions of its President and Board of Directors.

By the Official Committee:

H. C. URNER,
LEVI C. GOODALE,
CHARLES B. MURRAY,
THOMAS MORRISON,
C. H. KELLOGG.

May 14, 1906.

# CALENDARS FOR FOUR YEARS.

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## 1906

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| July | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| | 29 | 30 | 31 | .. | .. | .. | .. |
| Aug. | .. | .. | .. | 1 | 2 | 3 | 4 |
| | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| | 26 | 27 | 28 | 29 | 30 | 31 | .. |
| | .. | .. | .. | .. | .. | .. | .. |
| Sept. | .. | .. | .. | .. | .. | .. | 1 |
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| | 30 | .. | .. | .. | .. | .. | .. |
| Oct. | .. | 1 | 2 | 3 | 4 | 5 | 6 |
| | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| | 28 | 29 | 30 | 31 | .. | .. | .. |
| Nov. | .. | .. | .. | .. | 1 | 2 | 3 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| | 25 | 26 | 27 | 28 | 29 | 30 | .. |
| Dec. | .. | .. | .. | .. | .. | .. | 1 |
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| | 30 | 31 | .. | .. | .. | .. | .. |

## 1907

| | Sund. | Mon. | Tues. | Wed. | Thur. | Frid. | Satur. |
|---|---|---|---|---|---|---|---|
| Jan. | .. | .. | 1 | 2 | 3 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| | 27 | 28 | 29 | 30 | 31 | .. | .. |
| | .. | .. | .. | .. | .. | .. | .. |
| Feb. | .. | .. | .. | .. | .. | 1 | 2 |
| | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | 24 | 25 | 26 | 27 | 28 | .. | .. |
| Mar. | .. | .. | .. | .. | .. | 1 | 2 |
| | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| | 31 | .. | .. | .. | .. | .. | .. |
| April | .. | 1 | 2 | 3 | 4 | 5 | 6 |
| | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| | 28 | 29 | 30 | .. | .. | .. | .. |
| May | .. | .. | .. | 1 | 2 | 3 | 4 |
| | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| | 26 | 27 | 28 | 29 | 30 | 31 | .. |
| June | .. | .. | .. | .. | .. | .. | 1 |
| | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| | 30 | .. | .. | .. | .. | .. | .. |

## 1907

| | Sund. | Mon. | Tues. | Wed. | Thur. | Frid. | Satur. |
|---|---|---|---|---|---|---|---|
| July | .. | 1 | 2 | 3 | 4 | 5 | 6 |
| | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| | 28 | 29 | 30 | 31 | .. | .. | .. |
| Aug. | .. | .. | .. | .. | 1 | 2 | 3 |
| | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| | .. | .. | .. | .. | .. | .. | .. |
| Sept. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| | 29 | 30 | .. | .. | .. | .. | .. |
| Oct. | .. | .. | 1 | 2 | 3 | 4 | 5 |
| | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| | 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| | 27 | 28 | 29 | 30 | 31 | .. | .. |
| | .. | .. | .. | .. | .. | .. | .. |
| Nov. | .. | .. | .. | .. | .. | 1 | 2 |
| | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| Dec. | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| | 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| | 29 | 30 | 31 | .. | .. | .. | .. |